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Water Resources Data for Connecticut, Water Year 1972 Part 1, Surface Water Records. Part 2, Water Quality Records. Part 3, Ground Water Records

(U.S.) Geological Survey, Hartford, CT. Water Resources Div.

1973

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1972

Water Resources Data for Connecticut
Water Year 1972

Part 1. Surface Water Records

Part 2. Water Quality Records

Part 3. Ground Water Records

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UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-72-1

Prepared in cooperation with the State of Connecticut
and with other agencies

CALENDAR FOR WATER YEAR 1972

OCTOBER 1971

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NOVEMBER 1971

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JANUARY 1972

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FEBRUARY 1972

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MARCH 1972

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APRIL 1972

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MAY 1972

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JUNE 1972

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JULY 1972

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AUGUST 1972

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SEPTEMBER 1972

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3	4	5	6	7	8	9
10	11	12	13	14	15	16
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24	25	26	27	28	29	30

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Water resources data for the 1972 water year for Connecticut consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of wells and springs. This report contains discharge records for 66 gaging stations; stage and contents for 33 lakes and reservoirs; water quality for 28 gaging stations, and water levels for 26 observation wells. Also included are 103 low-flow and 59 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Connecticut.

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Water Resources Data for Connecticut

Water Year 1972

Part 1. Surface Water Records
Part 2. Water Quality Records
Part 3. Ground Water Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-72-1

Prepared in cooperation with the State of Connecticut
and with other agencies

Prepared in cooperation with

State Department of Environmental Protection
State Highway Department
City of Hartford, Department of Public Works
City of New Britain, Board of Water Commissioners
City of Torrington, Engineering Department
Corps of Engineers, U.S. Army
Environmental Protection Agency

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District Chief, Water Resources Division
U.S. Geological Survey
235 Post Office Building, P.O. Box 715
Hartford, Connecticut 06101

1973

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(Letters after station name designate type of data:
(c), chemical, (t), water temperature, (s), sediment)

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(Letters after station name designate type of data:
(c), chemical, (t), water temperature, (s), sediment)

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Fairfield	411256N0731531.1	FF 23	262
Newtown	412429N0731651.1	NT 15	262
HARTFORD COUNTY			
Burlington	414615N0725816.1	BU 2	262
South Windsor	414910N0723721.1	SW 64	262
LITCHFIELD COUNTY			
North Canaan	420125N0731930.1	NOC 7	262
	420053N0731552.1	NOC 15	262
Torrington	414919N0730723.1	T 2	262
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Mansfield	414548N0721145.1	MS	19	264
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WATER RESOURCES DATA FOR CONNECTICUT, 1972

Part 1. Surface-Water Records
Part 2. Water-Quality Records
Part 3. Ground-Water Records

INTRODUCTION

Water resources data for the 1972 water year for Connecticut including records of streamflow or reservoir storage at gaging stations and partial-record stations, and records of water-quality data on the chemical and physical characteristics of surface and ground water, and ground-water levels, are given in this report. In Part 1, records are included for 65 gaging stations. Also are included records for 103 low-flow partial-record stations, 59 crest-stage partial-record stations. Locations of gaging stations are shown in Figure 1. In Part 2, data on the quality of surface water (chemical and temperature) were collected from designated sampling sites at predetermined intervals such as once monthly, or less frequently, and at two sites data was recorded on punched paper tape at 60-minute intervals. Records are given for sampling stations on which 28 are continuous record stations, none are partial-record stations, and 27 are miscellaneous sites. Records of chemical analyses also are given for 202 ground-water sites. Locations of water-quality stations are shown on Figures 1 and 2. A few pertinent stations (not included above) in bordering States are also included in this report. In Part 3, data on ground-water levels were collected at 26 sites. Location of the observation well sites are shown on Figure 2. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of John A. Baker, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Connecticut.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water records beginning with the 1967 water year have been similarly released in conjunction with the streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperature, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States."

Through December 31, 1955, ground-water levels were published in an annual series of U.S. Geological Survey water-supply papers. The calendar year 1956 through 1960 span a transition period wherein the reports were converted from presentation of only one year's data to presentation of five year's data. More information is given under the headings "Publications" on pages 12, 15, and 16.

COOPERATION

The U.S. Geological Survey and organizations of the State of Connecticut have had cooperative agreements for the systematic collection of surface-water records since 1928, for water-quality records since 1952, and ground-water records since 1934. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreements with the Survey are:

State Department of Environmental Protection, Dan W. Lufkin, commissioner.

State Highway Department, A. Earl Wood, commissioner.

City of Hartford, Department of Public Works, George E. Heppner, director.

City of New Britain, Board of Water Commissioners, John A. McManus, director Board of Water Commissioners.

City of Torrington, Francis Sattin, director, Public Works.

Assistance in the form of funds were given by the Corps of Engineers, Department of the Army, in collecting records for eight gaging stations published in this report. Funds were furnished by the Environmental Protection agency collecting water-quality data for the Connecticut River at Thompsonville, Connecticut.

The following organizations aided in collecting records:

Metropolitan Water Bureau of Hartford; city of Waterbury; Massachusetts Department of Natural Resources; Connecticut Light and Power Co.; city of Wallingford; Farmington River Power Co.; Hartford Electric Light Company.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designated a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage" although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharges are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with snythetic detergent compounds.

Micrograms per liter (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1})......	0.00788
Ammonia as NH_4^{+1}...	.05544	Iron (Fe^{+3})*......	.05372
Barium (Ba^{+2})......	.01456	Lead (Pb^{2})*......	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1}).....	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*......	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

State-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 1.00136.

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixture in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 01188000, which appears just to the left of the station name includes the 2-digit part number "01" plus the 6-digit downstream order number "188000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 1 (Basins from Maine to Connecticut).

WELL NUMBERS

The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The number consists of 14 digits and one letter. The first 6 digits denote the degrees, minutes, and seconds of latitude followed by the letter "N" which indicates that the latitude is north of the equator. Seven digits following the letter denote degrees, minutes, and seconds of longitude. The last digit is a sequential number for wells within a 1-second grid. The system provides the geographic location of the well and a unique number for each well. The use of the latitude-longitude well-numbering system is illustrated on figure 3, p. 20 for well 414054N071-5520.1.

Wells in Connecticut also have been assigned numbers based on the town in which a well is located. The numbers based on location within towns include a letter symbol derived from the town name and the serial numbers based on location within towns are used to identify the wells shown on figure 2, p. 19.

SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the U.S. Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by which is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic

Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge and the maximum gage height, the minimum discharge if there is little or no regulation and the minimum gage height, if it is significant, are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS."

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the "EXTREMES" paragraph. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 A.M. is 0030, 1:30 P.M. is 1330.

Data collected at partial-record stations and miscellaneous sites are given in two tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments in reservoir contents. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Connecticut for the period October 1960 to September 1965 are in Water-Supply Paper 1901.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Connecticut are compiled in Water-Supply Paper 1301 through September 1950, and in 1701 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurement, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, period of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations. For ground-water stations, no descriptive statements are given; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

Water-quality information is presented for chemical quality, microbiological, and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties of characteristics such as hardness, sodium adsorption ratio, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to report the data for chemical constituents and concentration of suspended sediment in milligrams per liter (mg/l) and water temperature in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 2 below.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms," p. 3.)

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

At chemical quality stations where monitors are installed, the records consist of daily maximum, minimum, and mean values for each constituent measured. More detailed records (hourly values) may be obtained from the district office of the U.S. Geological Survey at the address given on page ii of this report.

Ground-water quality does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site. Water samples from wells are analyzed individually.

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Field Analyses

Field-measured analyses represent conditions only at the time of sampling. The accuracy of field-measured values for pH and specific conductance which use the same analytical technique as the laboratory may be slightly higher than the laboratory analyses because some changes in parameter occur during shipping and storage time in the laboratory.

Type of Analyses

Analyses representing laboratory measurements are indicated by the number "2" in the column marked TYPE. A field analysis is indicated by the number "3". A sample composited over a 6-month period is indicated by the number "4". If the column marked TYPE does not appear in a table, then it is understood to be principally a laboratory analysis.

Publications

The annual series of water-supply papers that contain information on quality of surface water in Connecticut are listed below:

Water year	WSP No.	Water year	WSP No.
1953	1290	1962	1941
1954	1350	1963	1947
1955	1400	1964	1954
1956	1450	1965	1961
1957	1520	1966	1991
1958	1571	1967	2011
1959	1641	1968	2091
1960	1741	1969	a2143
1961	1881	1970	a2151

GROUND-WATER RECORDS

Abbreviations

Standard abbreviations are used in the well description. The most commonly used abbreviations and their explanations are as follows:

diam -- diameter
eom -- end of month
ft -- foot or feet
in -- inch or inches
lat -- latitude
long -- longitude
lsd -- land-surface datum
msl -- mean sea level
MP -- measuring point
U.S. -- United States; abbreviated only when followed by name of a government agency.

Water-level Measurements

Water levels are in feet below land-surface datum except in the city of New Haven, where they are above or below mean sea level. A minus sign before the measurement indicates that it is below mean sea level. The screened interval open to the aquifer is recorded in ft.

Beginning in 1956 ground-water levels in Connecticut were published in a series of bulletins by the Connecticut Water Resources Commission. Data contained in this series was on a calendar year basis, covering the years 1956 to 1966, inclusive.

a In press.

Beginning in 1967 ground-water levels in Connecticut were published in the annual series of reports Water Resources Data for Connecticut. Data in this series of reports is on a water-year basis.

Publications

The annual series of water-supply papers that contain information on ground-water levels in Connecticut are listed below:

Calendar year	WSP No.	Calendar year	WSP No.
1935	777	1947	1096
1936	817	1948	1126
1937	840	1949	1156
1938	845	1950	1165
1939	886	1951	1191
1940	906	1952	1221
1941	936	1953	1265
1942	944	1954	1321
1943	986	1955	1404
1944	1016	1956-57	1537
1945	1023	1958-62	1782
1946	1071	1963-67	1977

SELECTED REFERENCES

American Public Health Association, and others, 1971, Standard methods for the examination of water and wastewater, 13th ed.: Am. Public Health Assoc., New York, 874 p.

Brown, Eugene, Skougstad, M. W., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A1, 160 p.

Carter, R. W., and Davidian, Jacob, 1968, General procedures for gaging streams: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. A6, 13 p.

Corbett, D. M., and others, 1943, reprinted 1957, Streamgaging procedures, a manual describing methods and practices of the Geological Survey: U.S. Geol. Survey Water-Supply Paper 888, 245 p.

Hem, J. D., 1970, Study and interpretation of the chemical characteristics of natural water--Revised edition: U.S. Geol. Survey Water-Supply Paper 1473, 363 p.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Thomas, M. P., 1972, Gazetteer of natural drainage areas of streams and water bodies within the State of Connecticut: Connecticut Department of Environmental Protection Bull. No. 1, 89 p.

Thomas, M. P., and Cervione, M. A., Jr., 1970, A proposed streamflow data program for Connecticut: Connecticut Water Resources Bull. No. 23, 18 p.

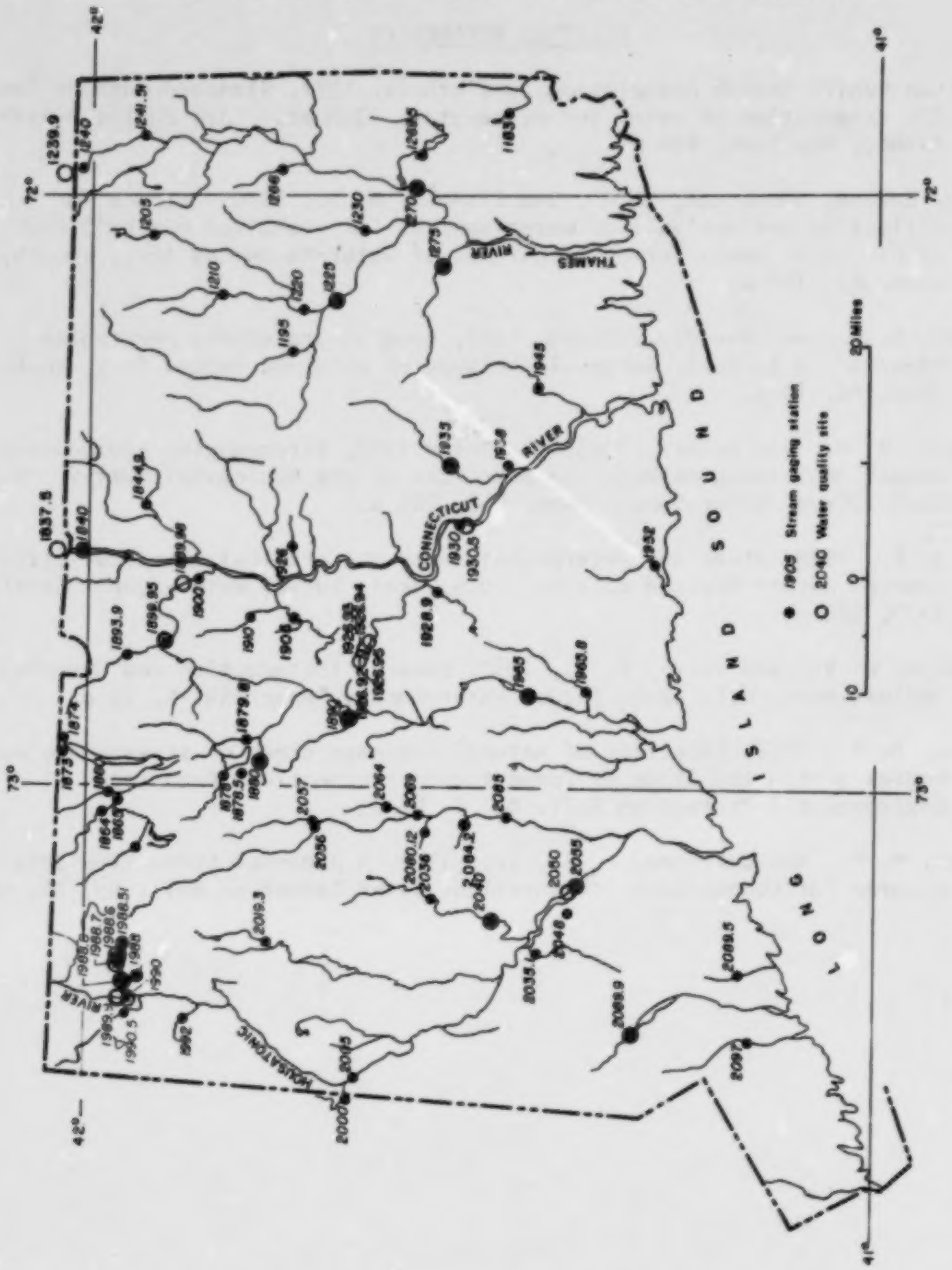
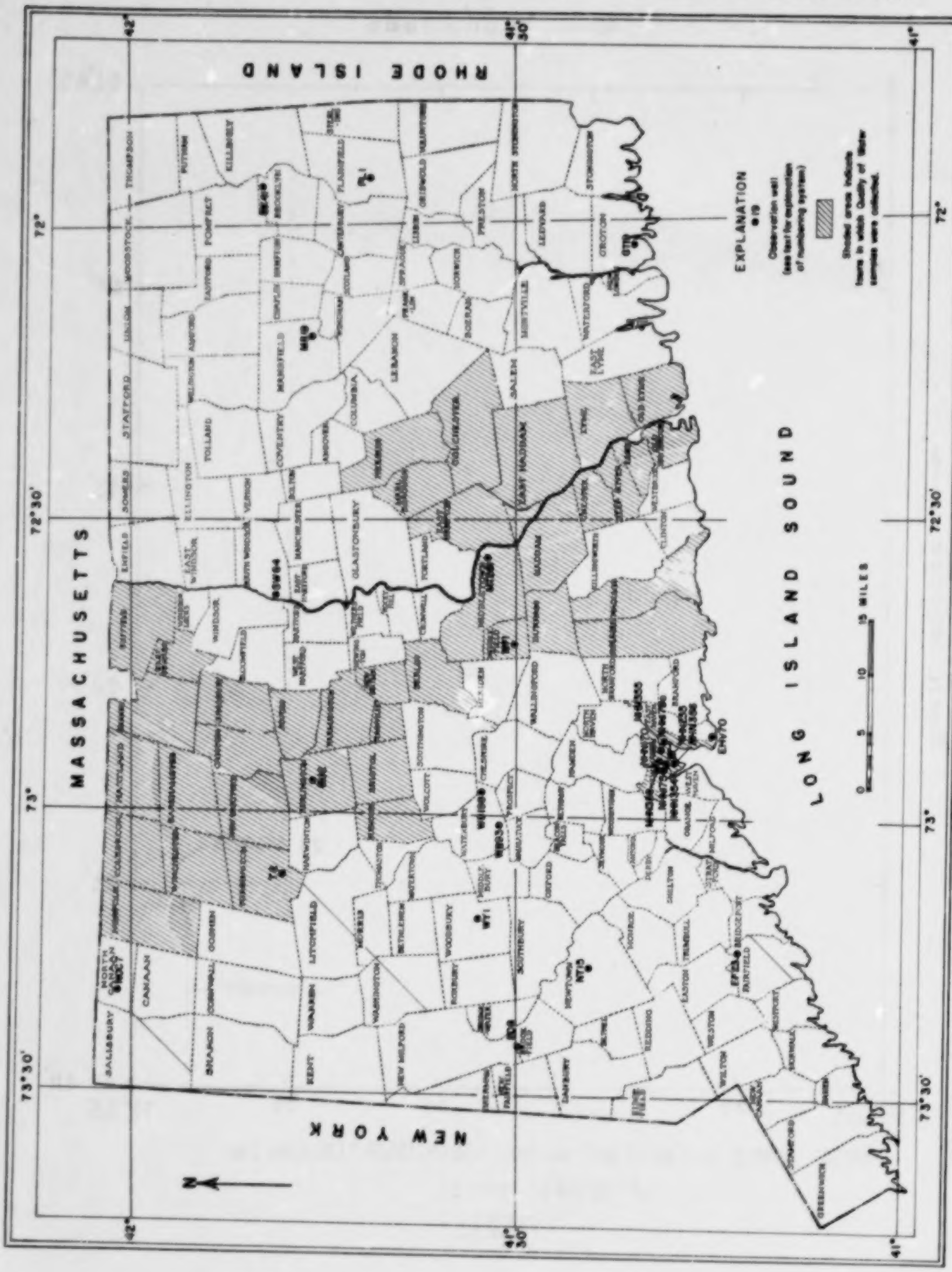
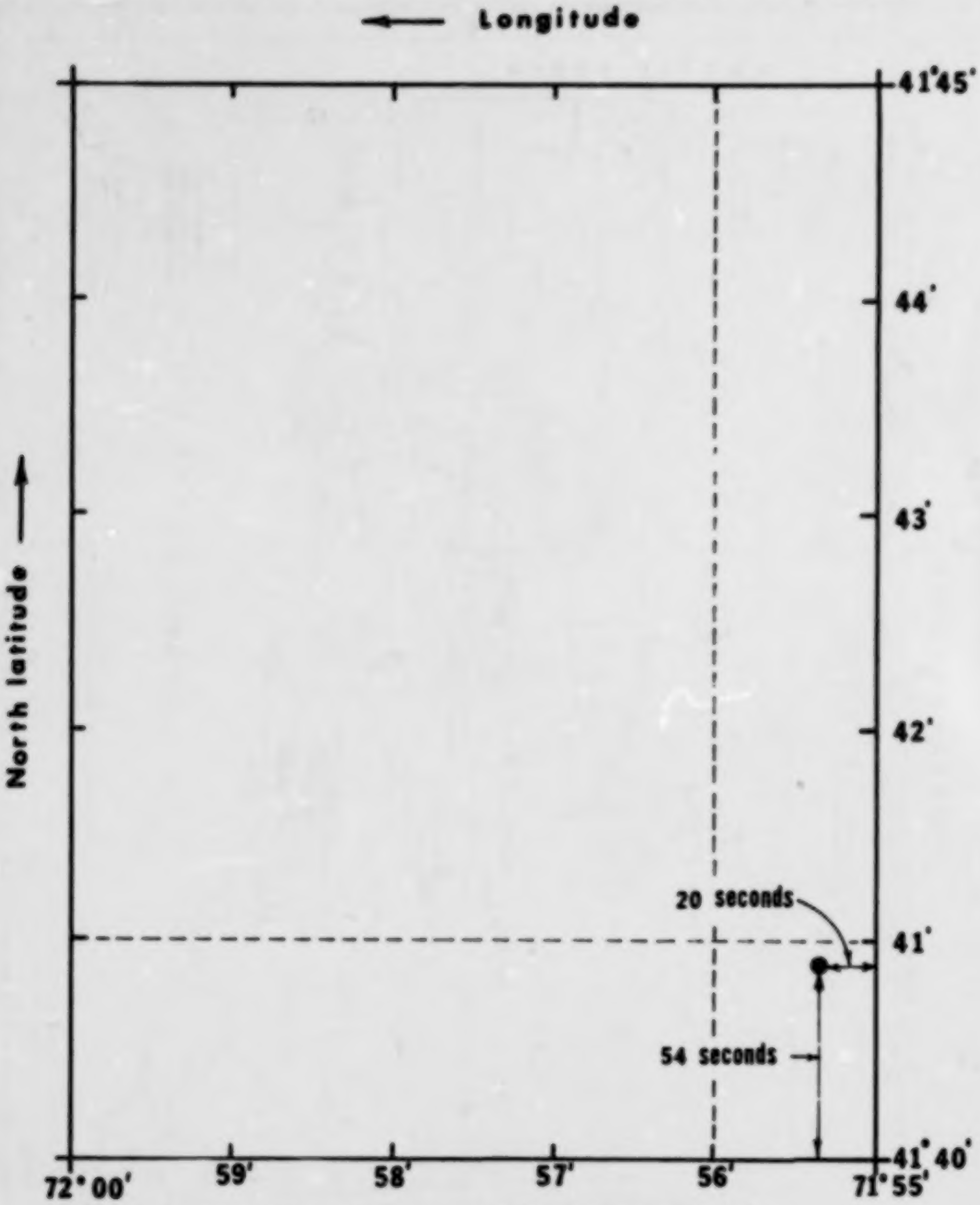

42°
41°
72°
73°
CONNECTICUT RIVER
THAMES RIVER
HOUSATONIC RIVER
LONG ISLAND SOUND
1239.9
1240
1241.51
1268.5
1183
1266
1270
1205
1230
1275
1210
1220
1225
1195
1945
1935
1938
1837.5
1840
1844.8
1930
1930.5
1932
1928.9
1926
1900
1893.9
1898.95
1910
1905
1965
1965.8
1873
1874
1879.8
1880
1864
1863
2057
2064
2069
2085
2084.2
2080.12
2038
2040
2050
2055
2046
2035.5
2036
2019.3
1988.6
1988.7
1988.51
1989
1990
1990.5
1992
2015
2000
2089.5
2089.9
2091
● 1905 Stream gaging station
○ 2040 Water quality site
10
0
10
20 Miles

FIGURE I -- MAP OF CONNECTICT SHOWING LOCATION OF STREAM GAGING AND WATER QUALITY STATIONS


MASSACHUSETTS
RHODE ISLAND
NEW YORK
LONG ISLAND SOUND
42°
41°30'
41°
73°30'
73°
72°30'
72°
N
EXPLANATION
Observation well (see text for explanation of numbering system)
Shaded areas indicate towns in which Quality of Water samples were collected.
0 5 10 15 MILES

MAP OF GROUND WATER OBSERVATION WELLS AND GROUND WATER QUALITY SAMPLING AREAS

FIGURE 2


Longitude
North latitude
41°45'
44'
43'
42'
41'
41°40'
20 seconds
54 seconds
72° 00'
59'
58'
57'
56'
71°55'

Sketch showing location of well number 414054N715520.1 (Number 1 in Plainfield on figure 2)

FIGURE 3

PART I. SURFACE-WATER RECORDS

01118300 Pendleton Hill Brook near Clarks Falls, Conn.

LOCATION.--Lat 41°28'29", long 71°50'05", New London County, on left bank just upstream from twin culverts, on Grindstone Hill Road, 0.1 mile west of State Highway 49 in the township of North Stonington, 1.6 miles northwest of Clarks Falls, and 3.4 miles northeast of village of North Stonington.

DRAINAGE AREA.--4.02 sq mi (revised).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 152.90 ft above mean sea level.

AVERAGE DISCHARGE.--14 years, 8.16 cfs (27.56 inches per year).

EXTREMES.--Current year: Maximum discharge, 200 cfs June 19 (gage height, 4.60 ft); minimum 0.09 cfs Oct. 6 (gage height, 0.71 ft).
Period of record: Maximum discharge, 344 cfs Mar. 18, 1968 (gage height, 5.91 ft); minimum, 0.02 cfs Sept. 7-11, 1964, Sept. 12, 13, 1965.

PEAK DISCHARGE.--(Base, 70 cfs):

DATE	TIME	G.HT	DISCHARGE
3-03	1700	3.05	75
3-17	2030	3.66	117
6-19	1200	4.60	200

REMARKS.--Records excellent.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.14	1.9	20	10	5.6	19	13	11	31	16	5.1	.74
2	.12	4.3	13	10	7.0	20	12	11	21	12	3.5	.67
3	.11	4.1	10	15	10	49	10	14	14	9.7	2.8	13
4	.11	4.1	9.0	14	22	65	11	48	10	9.1	4.4	9.3
5	.11	2.9	8.0	19	16	31	13	31	9.9	8.1	2.8	4.0
6	.21	2.1	7.7	15	12	24	12	21	8.4	7.7	2.4	2.3
7	.36	2.2	16	11	9.6	19	11	17	8.6	6.7	2.1	1.6
8	.25	2.4	14	8.6	8.7	26	9.7	15	7.6	6.1	2.2	1.3
9	.20	1.9	11	10	8.4	26	9.1	21	6.9	5.5	1.8	1.2
10	13	1.6	9.2	25	8.3	18	8.6	29	7.1	5.0	1.6	1.3
11	13	1.6	9.3	19	8.2	15	9.5	20	6.1	4.5	1.3	1.0
12	5.0	1.5	8.2	16	8.2	17	9.8	17	5.3	4.1	1.3	.87
13	2.6	1.5	7.6	14	20	22	19	14	5.1	15	1.3	.82
14	1.8	1.3	6.8	14	25	17	21	14	5.0	20	1.2	1.3
15	1.6	1.2	8.9	11	18	31	15	39	4.8	11	3.5	1.1
16	1.3	2.1	9.5	8.1	14	31	12	31	4.3	7.6	2.1	.94
17	1.2	1.9	8.1	6.2	12	75	16	22	30	5.9	1.5	.81
18	1.1	1.5	6.7	6.7	11	66	13	18	21	4.8	1.5	.75
19	1.1	1.3	5.4	7.7	10	37	11	15	120	5.3	1.4	2.0
20	.95	1.8	6.1	7.7	9.6	27	15	20	61	11	1.2	3.0
21	.88	1.7	7.1	9.2	12	22	19	24	37	7.8	1.0	1.9
22	.80	1.7	5.8	9.4	15	33	15	18	39	5.9	.95	2.9
23	.80	1.7	4.2	9.6	19	47	32	14	40	4.4	.88	2.0
24	.80	1.3	6.3	11	10	31	25	12	30	3.7	.85	1.5
25	3.9	11	10	13	9.6	23	21	10	23	3.5	.80	1.4
26	3.7	15	8.9	9.0	13	19	18	9.0	19	4.1	.81	1.3
27	2.5	9.4	7.9	7.3	12	17	15	8.4	16	3.0	1.7	1.2
28	1.7	10	7.1	6.6	13	15	13	7.9	13	2.7	1.6	1.1
29	1.5	11	6.0	6.2	16	14	12	7.1	12	2.5	1.2	1.1
30	1.3	33	7.7	6.0	-------	13	11	6.6	15	2.3	.97	1.6
31	1.2	-------	15	5.8	-------	13	-------	6.9	-------	2.3	.82	-------
TOTAL	63.34	139.0	280.5	341.1	363.2	862	427.7	551.9	631.1	217.3	56.58	64.00
MEAN	2.04	4.63	9.05	11.0	12.5	27.8	14.3	17.8	21.0	7.01	1.83	2.13
MAX	13	33	20	25	25	75	32	48	120	20	5.1	13
MIN	.11	1.2	4.2	5.8	5.6	13	8.6	6.6	4.3	2.3	.80	.67
CFSM	.51	1.15	2.25	2.74	3.11	6.92	3.56	4.43	5.22	1.74	.46	.53
IN.	.59	1.29	2.60	3.16	3.36	7.98	3.96	5.11	5.84	2.01	.52	.59

CAL YR 1971 TOTAL 2,757.88 MEAN 7.56 MAX 43 MIN .11 CFSM 1.88 IN 25.52
WTR YR 1972 TOTAL 3,997.72 MEAN 10.9 MAX 120 MIN .11 CFSM 2.71 IN 36.99

01119500 Willimantic River near South Coventry, Conn.

LOCATION.--Lat 41°45'02", long 72°15'58", Tolland County, on left bank 700 ft upstream from bridge on State Highway 31, 1 mile downstream from Mill Brook, 2.4 miles southeast of South Coventry, 3.8 miles upstream from Hop River, and 6.3 miles upstream from mouth.

DRAINAGE AREA.--122 sq mi (revised).

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 239.05 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage since water year 1961).--41 years, 205 cfs (22.82 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,370 cfs Mar. 3 (gage height, 9.67 ft); minimum 24 cfs Oct. 3 (gage height, 3.18 ft); minimum daily 25 cfs Oct. 4.

Period of record: Maximum discharge 24,200 cfs Aug. 19, 1955 (gage height, 18.66 ft, from floodmarks), from rating curve extended above 3,600 cfs on basis of computation of flow over dam at gage height 12.2 ft and contracted-opening measurement of peak flow; minimum 2.0 cfs Aug. 21, 23, 1949 (gage height, 1.60 ft); minimum daily 2.5 cfs Sept. 18, 1949.

PEAK DISCHARGE.--(Base, 1,100 cfs):

DATE	TIME	G.HT	DISCHARGE
3-03	1900	9.67	3,370
3-18	0200	8.73	2,360
3-23	0600	8.21	1,900
6-01	1200	8.19	1,880
6-30	1800	7.11	1,200

REMARKS.--Records excellent except for periods of ice effect which are good. Flow regulated by Staffordville Reservoir (see p. 16). High flow regulated by six flood detention reservoirs in Middle River basin (combined usable flood capacity 305,400,000 cu ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	59	460	199	138	237	350	282	1,610	802	182	58
2	37	123	299	219	136	403	336	280	946	532	146	97
3	28	162	223	415	138	2,580	331	356	554	388	127	118
4	25	140	201	336	520	1,920	327	886	409	380	132	141
5	31	110	167	355	337	979	344	649	551	328	115	92
6	36	92	152	271	220	640	351	480	485	313	94	90
7	44	120	396	242	204	511	330	393	395	269	86	76
8	40	178	481	214	175	761	299	370	332	240	129	69
9	40	143	378	191	170	762	294	422	319	410	124	66
10	186	108	329	415	168	531	274	439	712	396	130	56
11	304	97	343	390	167	424	273	375	539	277	115	48
12	202	91	323	341	164	400	285	332	393	235	102	97
13	143	85	283	303	265	429	343	296	322	243	90	64
14	107	74	252	325	721	430	477	271	282	324	89	83
15	85	76	259	281	422	389	360	569	262	263	177	89
16	79	107	296	213	314	382	326	595	247	220	133	75
17	68	105	271	180	244	1,320	355	468	423	195	116	59
18	69	94	240	186	218	2,000	319	388	391	176	115	47
19	84	87	199	196	204	1,170	289	362	563	244	109	197
20	78	88	190	195	200	815	423	396	636	562	90	165
21	68	81	201	195	198	633	616	479	337	393	76	121
22	61	85	196	187	195	797	451	406	343	283	82	99
23	57	95	166	183	192	1,650	633	328	416	214	77	83
24	46	86	188	214	189	1,020	670	285	539	212	73	60
25	74	107	287	243	186	748	552	256	477	185	73	55
26	89	123	248	190	192	588	437	235	381	162	68	64
27	74	119	240	160	185	512	376	219	376	145	63	60
28	67	223	231	150	182	453	336	208	312	136	65	56
29	66	271	215	147	197	412	308	198	268	125	82	53
30	59	626	209	142	------	393	289	188	724	109	69	57
31	47	------	241	140	------	369	------	301	------	105	62	------
TOTAL	2,433	3,953	8,164	7,418	6,841	24,658	11,354	11,712	14,280	8,864	3,185	2,413
MEAN	78.5	132	263	239	236	795	378	378	476	286	103	80.4
MAX	304	626	481	415	721	2,580	670	886	1,610	802	182	197
MIN	25	59	152	140	136	237	273	188	247	105	62	47
(†)	-3.4	+3.4	+12.5	0	0	0	0	0	0	0	-4.5	+4.5
MEAN ‡	75.1	135	276	239	236	795	378	378	476	286	98.5	84.9
CFSM ‡	0.62	1.11	2.26	1.96	1.93	6.52	3.10	3.10	3.90	2.34	0.81	0.70
IN ‡	0.72	1.24	2.61	2.26	2.08	7.52	3.46	3.57	4.35	2.70	-.93	0.78

CAL YR 1971 TOTAL 62,289 MEAN 171 MAX 669 MIN 19 MEAN ‡ 172 CFSM ‡ 1.41 IN ‡ 19.14

WTR YR 1972 TOTAL 105,275 MEAN 288 MAX 2,580 MIN 25 MEAN ‡ 289 CFSM ‡ 2.37 IN ‡ 32.26

Change in contents in Staffordville Reservoir, equivalent in cubic feet per second.

‡Adjusted for change in reservoir contents.

01120500 Safford Brook near Woodstock Valley, Conn.

LOCATION.--Lat 41°55'35", long 72°03'37", Windham County, on right bank at downstream side of bridge on Hopkins Road, 0.3 mile downstream from Bradford Brook, 0.3 mile upstream from mouth, 1.3 mile southeast of Woodstock Valley, and 2 miles southwest of East Woodstock.

DRAINAGE AREA.--4.15 sq mi (revised).

PERIOD OF RECORD.--June 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 532.92 ft above mean sea level.

AVERAGE DISCHARGE.--22 years, 11.0 cfs (35.59 inches per year).

EXTREMES.--Current year: Maximum discharge 325 cfs Mar. 3 (gage height, 6.05 ft); minimum about 0.03 cfs Oct 8 (gage height 1.74 ft).
Period of record: Maximum discharge, 1,000 cfs Aug. 19, 1955 (gage height, 6.68 ft). No flow Aug. 30, 31, Sept. 6-12, 1965.

PEAK DISCHARGE.--(Base, 150 cfs):

DATE	TIME	G.HT	DISCHARGE
3-03	0730	6.05	325
3-17	2100	5.21	332
3-22	2030	4.75	242
5-03	2400	4.42	193

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.67	6.7	16	9.1	1.9	19	9.6	6.9	55	11	.70	.21
2	.39	19	9.6	14	9.3	70	9.2	7.6	19	7.7	.67	.22
3	.36	11	6.9	75	2.7	200	9.7	34	9.2	4.3	.56	1.2
4	.15	9.7	2.9	17	29	76	9.5	100	9.7	3.6	.54	2.5
5	.10	6.9	9.1	19	19	33	10	34	11	2.9	.40	1.0
6	.10	6.5	9.1	13	15	20	11	19	7.7	7.8	.41	.60
7	.13	9.9	60	10	6.1	36	9.9	13	5.4	2.5	.39	.49
8	.04	19	26	6.7	9.9	50	9.1	12	6.1	2.7	.32	.41
9	.17	7.0	13	17	9.5	45	7.0	17	6.6	3.4	.46	.36
10	6.1	6.4	19	35	9.5	28	6.7	70	55	2.6	.40	.33
11	9.0	6.5	16	29	9.0	21	6.9	13	15	1.7	.34	.30
12	5.6	9.7	9.8	17	9.0	14	7.9	10	7.6	1.1	.40	.29
13	2.0	9.5	7.9	13	43	17	14	9.5	9.0	1.6	.34	.30
14	1.5	2.6	6.5	15	21	18	26	9.0	6.7	4.6	.31	.67
15	.40	5.6	8.5	9.0	13	93	13	44	3.7	7.0	.40	.99
16	.67	9.0	16	9.1	11	20	11	26	9.1	1.7	.34	.47
17	.57	9.7	9.6	3.7	9.2	101	14	15	19	1.1	.31	.38
18	.40	7.7	6.6	9.5	7.6	132	10	11	12	.90	.31	.34
19	.55	7.7	6.3	9.0	7.0	46	9.1	9.3	26	1.7	.31	17
20	1.1	9.6	3.7	9.6	6.9	27	91	14	14	6.8	.29	10
21	1.0	2.6	6.7	3.7	6.6	22	34	73	6.8	7.6	.27	9.0
22	7.6	9.9	6.5	9.5	6.7	42	19	12	9.0	1.7	.25	3.2
23	7.9	7.9	3.0	6.0	6.0	79	61	7.7	16	1.2	.24	2.0
24	6.7	7.6	8.3	6.2	6.7	33	36	5.3	13	1.0	.24	1.3
25	6.7	5.0	19	9.5	5.5	23	22	4.2	10	.91	.24	1.0
26	6.6	6.9	9.0	4.0	6.1	17	15	5.3	7.1	.83	.26	.83
27	5.5	6.7	9.6	5.6	5.8	16	12	5.0	6.3	.76	.26	.68
28	5.9	23	6.1	7.7	6.5	12	9.0	2.5	5.0	.65	.29	.57
29	5.8	26	6.2	7.2	6.1	11	9.8	2.2	3.7	.61	.27	.51
30	5.5	69	6.0	7.1	------	11	7.7	1.9	6.9	.56	.26	.48
31	6.5	------	6.5	7.7	------	10	------	9.6	------	.51	.22	------
TOTAL	56.06	277.9	290.7	209.6	262.2	1,459	431.0	500.8	350.9	75.70	11.32	53.00
MEAN	2.00	7.70	9.62	6.76	9.04	47.1	14.5	16.3	11.7	2.44	.37	1.77
MAX	9.0	43	60	35	43	200	41	100	55	11	.70	17
MIN	.04	2.2	2.1	1.7	1.9	10	6.7	1.9	3.1	.51	.22	.21
CFSM	.53	1.08	2.32	2.25	2.18	11.7	3.60	3.93	2.87	.59	.09	.43
IN.	.58	2.10	2.67	2.60	2.39	13.00	3.80	4.56	3.14	.68	.10	.48

CAL YR 1971 TOTAL 2,369.97 MEAN 6.49 MAX 105 MIN .04 CFSM 1.56 IN 21.24
WTR YR 1972 TOTAL 4,033.14 MEAN 11.0 MAX 200 MIN .04 CFSM 2.65 IN 36.21

01121000 Mount Hope River near Warrenville, Conn.

LOCATION.--Lat 41°50'37", long 72°10'10", Windham County, on left bank 250 ft downstream from Knowlton Brook, 750 feet upstream from bridge on State Highway 89, 1.75 miles south of Warrenville, and 3.25 miles southwest of Ashford.

DRAINAGE AREA.--28.6 sq mi (revised).

PERIOD OF RECORD.--July 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 335.87 ft above mean sea level.

AVERAGE DISCHARGE.--32 years, 48.3 cfs (22.93 inches per year).

EXTREMES.--Current year: Maximum discharge 1,450 cfs Mar 3 (gage height, 7.60 ft); minimum 3.6 cfs Sept. 1,2, (gage height, 1.38 ft).

Period of record: Maximum discharge 5,590 cfs Aug. 19, 1955 (gage height, 10.41 ft), from rating curve extended above 890 cfs on basis of contracted-opening measurement of peak flow; minimum 0.15 cfs Aug. 29, 1957; minimum gage height, 0.99 ft Aug. 26-29, 1949.

Flood of September 1938 reached a stage of about 16.5 ft from floodmarks.

PEAK DISCHARGE.--(Base, 400 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
2-13	2400	5.34	580	6-21	1330	5.44	525
3-03	1100	7.60	1,450	6-30	1400	5.00	430
3-17	2100	6.78	981	7-19	2400	5.24	470
3-22	2330	5.84	627				

REMARKS.--Records good. Occasional regulation from ponds upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	20	147	61	28	86	71	59	602	104	47	3.8
2	5.8	72	85	90	29	118	67	62	229	101	26	3.7
3	5.8	63	73	150	33	1,000	86	99	126	75	21	91
4	5.6	50	55	96	250	493	63	346	89	72	23	31
5	5.6	36	49	123	96	265	73	222	120	61	16	16
6	10	28	53	89	66	164	75	161	92	63	13	11
7	18	46	230	78	52	146	67	109	75	51	13	8.3
8	9.6	51	179	62	51	265	99	103	65	58	21	6.7
9	7.6	36	109	71	50	237	95	115	68	77	14	6.1
10	120	31	95	102	43	143	95	118	236	90	12	5.9
11	120	28	109	118	37	113	60	91	161	40	5.9	5.1
12	51	26	82	98	32	100	57	80	86	38	5.2	4.7
13	33	26	69	82	120	118	78	70	70	52	5.3	5.9
14	26	25	59	98	270	107	107	64	63	76	5.6	12
15	22	25	69	73	109	98	70	203	58	67	32	11
16	19	33	89	56	76	109	61	170	51	36	16	7.7
17	16	29	79	50	90	526	69	117	121	33	12	6.8
18	15	25	56	48	67	986	56	91	110	28	12	5.7
19	14	23	49	54	51	303	69	79	152	96	11	75
20	13	25	47	50	47	150	122	96	146	235	10	64
21	13	26	51	50	43	152	155	131	95	92	8.5	25
22	13	26	46	48	39	264	97	80	97	62	7.0	19
23	12	26	69	51	46	380	191	68	130	64	6.3	13
24	12	21	60	66	46	220	170	58	193	50	7.0	11
25	26	29	98	70	42	156	125	49	135	35	11	11
26	24	39	80	56	43	122	93	44	95	29	7.6	9.1
27	18	37	62	53	44	103	80	40	87	23	7.0	8.5
28	16	96	59	37	40	91	71	37	67	19	6.9	7.6
29	16	98	52	37	46	86	65	33	55	17	5.6	6.8
30	16	311	52	36	------	80	60	30	216	16	4.8	6.6
31	13	------	68	33	------	75	------	67	------	15	4.2	------
TOTAL	698.3	1,605	2,454	2,273	1,921	6,790	2,493	3,067	3,628	1,873	412.5	440.6
MEAN	22.5	66.9	79.2	73.3	66.2	219	83.1	98.9	121	60.4	13.3	14.7
MAX	120	311	230	102	270	1,000	191	346	602	235	47	75
MIN	5.6	20	46	33	28	64	49	30	51	15	4.2	3.7
CFSM	.79	1.64	2.77	2.56	2.31	7.66	2.91	3.46	4.23	2.11	.47	.51
IN.	.91	1.83	3.19	2.96	2.50	8.83	3.24	3.99	4.72	2.44	.54	.57

CAL YR 1971 TOTAL 14,770.7 MEAN 40.5 MAX 355 MIN 1.5 CFSM 1.42 IN 19.24

WTR YR 1972 TOTAL 27,435.4 MEAN 75.0 MAX 1,000 MIN 3.7 CFSM 2.62 IN 35.71

01122000 Natchaug River at Willimantic, Conn.

LOCATION.--Lat 41°43'14", long 72°11'52", Windham County, on right bank 200 ft downstream from Penn. Central Company railroad bridge, 500 ft upstream from bridge on U.S. Highway 6, 1 mile northeast of Willimantic, 1.7 miles upstream from mouth, and 3.6 miles downstream from Mansfield Hollow Dam.

DRAINAGE AREA.-- 171 sq mi (revised).

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 190.31 ft above mean sea level, (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage).--42 years, 427 cfs (23.13 inches per year).

EXTREMES.--Current year: Maximum discharge 2,470 cfs Mar. 10 (gage height, 7.44 ft); minimum daily 43 cfs Sept. 2.

Period of record: Maximum discharge, 32,000 cfs Sept. 21, 1938 (gage height, 16.39 ft from floodmarks), by computation of peak flow over dam 2 miles upstream; minimum, about 0.3 cfs Aug. 6, 1937; minimum daily 213 cfs Sept. 11, 12, 1943.

REMARKS.--Records excellent. City of Willimantic diverts an average of about 1,800,000 gallons of water a day for municipal supply from reservoir 2 miles upstream. Operation of water wheels at this location causes diurnal fluctuation at low flow. Flow regulated since March 1952 by Mansfield Hollow Reservoir (see p. [illegible]).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	96	1,020	328	173	292	501	350	844	844	155	47
2	80	134	586	323	166	290	459	340	1,310	808	169	43
3	78	243	534	464	177	730	438	417	1,910	720	151	107
4	77	294	288	471	168	355	423	926	1,120	586	143	204
5	77	249	278	516	504	1,020	438	1,120	922	429	129	178
6	67	282	251	519	471	1,850	465	1,240	677	380	113	136
7	66	196	350	471	432	1,950	467	1,200	662	368	79	107
8	65	222	660	432	425	2,120	411	1,070	602	310	78	91
9	66	215	796	380	363	2,110	376	932	370	355	97	77
10	127	189	796	447	318	2,390	350	812	640	349	97	66
11	175	156	656	944	288	1,850	340	652	768	293	88	62
12	429	136	680	960	293	1,360	351	489	792	248	80	54
13	943	130	928	960	293	980	375	380	531	234	78	49
14	382	121	611	926	632	860	572	383	299	308	76	144
15	290	121	289	910	860	680	546	692	496	305	119	193
16	233	136	360	613	760	620	465	980	299	258	136	186
17	229	152	370	375	632	971	444	900	515	222	123	182
18	217	136	368	328	458	1,080	423	684	660	196	107	173
19	211	130	365	318	318	1,220	380	677	792	191	98	228
20	190	127	920	308	302	1,790	416	611	920	463	98	190
21	213	124	308	293	299	2,030	608	616	836	501	92	208
22	168	123	295	288	299	1,890	692	600	988	363	79	220
23	109	126	263	280	275	1,640	752	483	828	275	71	265
24	90	117	263	265	293	1,890	809	396	904	236	63	250
25	102	155	330	308	292	1,700	812	338	808	216	62	236
26	136	196	363	313	290	1,400	772	293	636	206	55	222
27	136	200	365	216	240	1,010	688	260	420	187	79	200
28	121	286	395	249	242	782	560	240	370	160	69	175
29	107	352	338	220	252	450	438	222	383	141	66	131
30	101	702	328	206	------	307	380	206	620	171	57	92
31	93	------	330	195	------	556	------	245	------	115	92	------
TOTAL	5,065	5,082	13,509	11,663	10,474	39,183	15,216	18,352	20,060	10,372	2,959	4,526
MEAN	163	169	436	376	361	1,264	507	592	669	335	95.5	151
MAX	943	702	1,020	960	860	2,390	812	1,240	1,910	844	169	265
MIN	64	96	251	195	166	292	340	206	295	115	52	43
(†)	-30.8	+2.2	-11.8	-7.3	+2.7	+43.1	-4.9	-6.2	+4.8	-9.1	+1.5	-34.6
MEAN ‡	132	171	424	369	364	1,311	502	586	674	326	97.0	116
CFSM ‡	0.77	1.12	2.49	2.16	2.13	7.67	2.94	3.43	3.94	1.91	0.57	0.68
IN ‡	0.89	1.25	2.87	2.49	2.30	8.84	3.28	3.95	4.40	2.20	0.66	0.76

CAL YR 1971 TOTAL 90,701.0 MEAN 249 MAX 1,160 MIN 6.6 MEAN ‡ 250 CFSM ‡ 1.46 IN ‡ 19.82
WTR YR 1972 TOTAL 157,245.0 MEAN 430 MAX 2,390 MIN 43 MEAN ‡ 427 CFSM ‡ 2.50 IN ‡ 34.71

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†Change in contents in Mansfield Hollow Reservoir, equivalent in cubic feet per second; furnished by Corps of Engineers.

‡Adjusted for change in contents.

011225000 Shetucket River near Willimantic, Conn.

LOCATION.--Lat 41°42'01", long 72°10'57", Windham County, on right bank at downstream side of Bingham Bridge on Plains Road, 500 ft upstream from Pennsylvania Central Company railroad bridge, 500 ft downstream from Potash Brook, 1.3 miles downstream from confluence of Willimantic and Natchaug Rivers, 1.5 miles southeast of Willimantic, and 17 miles upstream from mouth.

DRAINAGE AREA.--402 sq mi (revised).

PERIOD OF RECORD.--April 1904 to December 1905, October 1919 to September 1921, September 1928 to current year. PUblished as "at South Windham" October 1919 to September 1921, September 1928 to September 1933. Monthly discharge only for some periods, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 131.40 ft above mean sea level, (levels by Corps of Engineers). April 4, 1904 to Dec. 31, 1905, chain gage at same site and about the same datum. October 1919 to September 30, 1921, and Sept. 1, 1928 to Sept. 30, 1933, water-stage recorder at site 1.5 miles downstream at different datum.

AVERAGE DISCHARGE(adjusted for storage).--47 years, 684 cfs (23.12 inches per year).

EXTREMES.--Current year: Maximum discharge 6,570 cfs Mar. 3 (gage height, 9.61 ft); minimum 113 cfs Sept 2 (gage height, 1.89 ft), minimum daily discharge 145 cfs Sept. 2.

Period of record: Maximum discharge 52,200 cfs Sept. 21, 1938 (gage height, 27.6 ft. from floodmarks), from rating curve extended above 11,000 cfs on basis of computation of peak flow over Scotland and Baltic dams, 5 and 9 miles downstream respectively, adjusted for flow from intervening area; minimum 15 cfs Aug. 29, 1949, (gage height, 1.34 ft); minimum daily 19 cfs Aug. 22 and Oct. 24, 1949.

REMARKS.--Records excellent. Flow regulated by mills and and flood detention reservoirs on Willimantic River, on Natchaug River by pumping for municipal supply of city of Willimantic, and by Mansfield Hollow Reservoir (see p. 35). Records of chemical quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	273	2,190	787	438	807	1,220	896	3,770	2,850	450	150
2	164	379	1,620	788	434	1,290	1,140	911	3,800	2,040	439	145
3	156	634	1,130	1,410	449	4,720	1,120	1,110	2,750	1,620	271	323
4	151	626	795	1,260	1,480	5,060	1,090	2,920	2,000	1,460	364	518
5	152	563	694	1,370	1,300	3,270	1,150	2,710	1,690	1,170	323	369
6	159	454	647	1,200	1,050	3,160	1,210	2,300	1,490	1,100	282	300
7	161	481	1,130	1,050	879	2,960	1,150	2,060	1,330	958	244	251
8	159	654	1,660	947	792	3,480	1,060	1,880	1,140	839	302	221
9	155	593	1,610	814	735	3,900	995	1,820	1,050	982	312	202
10	390	485	1,430	1,340	636	3,420	919	1,840	2,040	1,040	295	177
11	944	421	1,340	1,430	560	2,760	889	1,500	2,050	816	281	160
12	953	379	1,250	1,310	521	2,240	965	1,240	1,650	695	254	159
13	918	357	1,110	1,210	680	1,990	1,020	1,030	1,290	678	231	165
14	694	332	946	1,250	2,210	1,840	1,620	963	901	944	216	295
15	526	325	813	1,160	1,820	1,550	1,350	1,720	1,040	831	428	369
16	417	429	978	938	1,500	1,460	1,160	2,200	818	692	398	340
17	385	471	957	799	1,180	3,130	1,170	1,870	1,540	599	332	308
18	392	407	880	745	921	5,430	1,090	1,480	1,590	534	302	285
19	395	372	774	743	773	3,960	972	1,200	2,380	562	288	733
20	375	366	730	726	740	3,380	1,130	1,170	2,420	1,320	258	712
21	374	355	730	715	739	3,220	1,940	1,650	1,820	1,190	229	513
22	331	357	714	711	754	3,240	1,640	1,440	1,540	856	216	466
23	263	376	611	688	691	4,650	2,020	1,150	2,010	675	199	473
24	233	352	653	725	650	3,920	2,110	974	2,200	622	183	419
25	296	437	926	807	644	3,180	1,940	842	2,030	559	182	390
26	393	546	891	763	630	2,730	1,660	747	1,570	498	167	372
27	357	534	868	642	626	2,570	1,440	683	1,290	436	212	349
28	318	824	838	601	631	1,790	1,240	632	1,090	386	189	308
29	294	1,050	795	539	671	1,260	1,060	586	1,150	341	197	253
30	271	2,200	767	505	------	1,180	956	538	1,800	306	172	210
31	246	------	887	483	------	1,350	------	687	------	284	161	------
TOTAL	11,149	16,012	31,364	28,456	25,134	88,897	38,406	42,749	53,239	27,913	8,477	9,935
MEAN	360	534	1,012	918	867	2,868	1,280	1,379	1,775	900	273	331
MAX	953	2,200	2,190	1,430	2,210	5,430	2,110	2,920	3,800	2,850	450	733
MIN	151	273	611	483	434	807	889	538	818	284	161	145
(†)	-30.8	+2.2	-11.8	-7.3	+2.7	+43.1	-4.9	-6.2	+4.8	-9.1	+1.5	-34.6
MEAN ‡	329	536	1,000	911	870	2,911	1,275	1,373	1,780	891	274	296
CFSM ‡	0.82	1.33	2.48	2.27	2.16	7.24	3.17	3.42	4.43	2.22	0.68	0.74
IN ‡	0.94	1.48	2.86	2.62	2.33	8.35	3.54	3.94	4.94	2.56	0.78	0.83

CAL YR 1971 TOTAL 221,345 MEAN 606 MAX 2,610 MIN 66 MEAN ‡ 607 CFSM ‡ 1.51 IN ‡ 20.50
WTR YR 1972 TOTAL 381,731 MEAN 1,043 MAX 5,430 MIN 145 MEAN ‡ 1,040 CFSM ‡ 2.59 IN ‡ 35.25

†Change in contents in Mansfield Hollow Reservoir, equivalent in cubic feet per second, furnished by Corps of Engineers.

‡Adjusted for change in contents.

01123000 Little River near Hanover, Conn.

LOCATION.--Lat 41°40'18", long 72°03'10", Windham County, on left bank 800 ft upstream from bridge on Hannance Road, 0.7 mile downstream from Peck Brook, 2.3 miles northeast of Hanover, and 6.5 miles upstream from mouth.

DRAINAGE AREA.--30.4 sq mi (revised).

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 221.19 ft above mean sea level.

AVERAGE DISCHARGE.--21 years, 54.2 cfs (24.21 inches per year).

EXTREMES.--Current year: Maximum discharge 1,330 cfs Mar. 3 (gage height, 6.32 ft); minimum 5.6 cfs Oct. 5,6, (gage height, 1.10 ft).

Period of record: Maximum discharge 1,710 cfs Apr. 3, 1970 (gage height, 7.02 ft); from rating curve extended above 820 cfs by logarithmic plotting; minimum, 3.2 cfs Aug. 16, 1959 (gage height, 1.00 ft), caused by a minor and temporary regulation from an unknown source upstream.

PEAK DISCHARGE.--(Base, 400 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-03	1700	6.32	1,330	5-04	0700	4.34	562
3-18	0200	5.74	1,100	6-19	1400	4.20	520
3-23	0400	4.02	466	7-09	1100	3.93	439

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	23	129	57	43	84	75	58	264	190	66	17
2	6.3	34	77	53	30	155	71	61	141	116	48	18
3	6.3	47	64	135	37	924	69	126	89	86	38	72
4	6.3	43	54	95	272	514	71	466	74	99	43	82
5	6.3	33	54	123	140	209	81	207	75	81	33	46
6	6.3	27	47	100	108	152	85	128	66	79	28	35
7	6.3	43	95	81	72	128	77	100	65	66	40	28
8	7.6	48	107	65	81	228	70	100	57	59	69	25
9	7.0	36	79	64	72	224	67	128	56	234	46	23
10	87	31	67	101	60	137	62	156	147	100	34	20
11	125	28	63	100	56	108	64	120	105	70	28	18
12	56	26	57	82	53	105	67	101	74	62	25	17
13	36	24	52	72	75	120	88	91	61	61	25	17
14	27	22	46	97	230	108	134	76	58	67	23	25
15	20	22	52	85	108	99	90	236	51	52	55	25
16	18	25	68	66	85	104	78	175	49	45	41	21
17	15	26	61	59	66	571	82	128	163	40	31	18
18	14	24	52	46	62	756	71	104	123	38	29	17
19	13	23	43	48	60	290	64	91	383	47	28	41
20	13	23	40	47	58	180	99	110	232	160	25	61
21	13	23	46	50	56	146	135	138	134	81	23	39
22	12	23	45	49	52	201	92	97	134	62	20	38
23	12	25	40	50	50	380	197	77	176	47	19	35
24	12	22	39	52	48	201	147	70	141	46	20	30
25	24	39	69	56	45	152	111	59	113	41	21	25
26	27	55	60	47	45	125	88	52	91	69	18	23
27	23	42	58	49	44	108	77	49	86	46	25	20
28	19	90	52	38	44	97	79	46	92	39	29	18
29	12	91	48	49	43	90	65	42	95	35	23	17
30	15	216	45	39	------	84	60	45	197	32	20	18
31	17	------	67	40	------	79	------	69	------	30	17	------
TOTAL	676.0	1,234	1,876	2,095	2,195	6,859	2,607	3,506	3,589	2,280	990	889
MEAN	21.8	41.1	60.5	67.6	75.7	221	86.9	113	120	73.5	31.9	29.6
MAX	125	216	129	135	272	924	197	466	383	234	69	82
MIN	6.3	22	39	33	30	79	60	42	49	30	17	17
CFSM	.72	1.35	1.99	2.22	2.49	7.27	2.86	3.72	3.95	2.42	1.05	.97
IN.	.83	1.51	2.30	2.56	2.69	8.39	3.19	4.29	4.39	2.79	1.21	1.09

CAL YR 1971 TOTAL 15,327.5 MEAN 42.0 MAX 258 MIN 6.3 CFSM 1.38 IN 18.76
WTR YR 1972 TOTAL 28,796.0 MEAN 78.7 MAX 924 MIN 6.3 CFSM 2.59 IN 35.24

01124000 Quinebaug River at Quinebaug, Conn.

LOCATION.--Lat 42°01'20", long 71°57'22", Windham County, on right bank at Quinebaug, 500 ft upstream from bridge on State Highway 157, 0.2 mile downstream from Massachusetts-Connecticut State Line, 7.8 miles upstream from French River, and at mile 46.

DRAINAGE AREA.--156 sq mi (revised).

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 341.52 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--41 years, 264 cfs (22.99 inches per year).

EXTREMES.--Current year: Maximum discharge 2,070 cfs Mar. 3 (gage height, 5.54 ft); minimum 22 cfs Oct. 4,5, (gage height, 2.23 ft).

Period of record: Maximum discharge 49,300 cfs Aug. 19, 1955 (gage height, 18.96 ft from floodmarks), from rating curve extended above 5,100 cfs on basis of slope-area measurement of peak flow; minimum about 1 cfs Sept. 9, 1943; July 12, 1949; Sept. 17, 18, 1950; July 9, 1951; Sept. 4 and Oct. 29, 1956; minimum daily about 1 cfs Sept. 4, 1956; minimum gage height, 1.74 ft Aug. 20, 1940.

REMARKS.--Records good. Flow regulated by East Brimfield and Westville Lakes, (see p. 33), and by smaller reservoirs upstream. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	49	575	261	169	296	715	350	1,000	381	69	28
2	24	123	446	282	154	386	866	340	1,060	349	61	27
3	23	145	338	397	159	1,580	780	423	917	319	56	102
4	22	150	279	381	534	1,010	691	871	763	353	58	93
5	70	130	257	420	409	885	567	780	781	327	50	74
6	98	109	228	367	343	936	498	670	693	314	43	64
7	50	116	454	330	284	979	465	567	596	277	41	55
8	33	133	509	288	256	1,210	420	524	517	246	59	46
9	32	127	503	281	233	1,210	345	687	501	279	67	41
10	151	134	502	517	209	1,090	228	671	767	290	67	36
11	244	131	556	529	193	906	233	598	693	228	57	30
12	235	111	535	544	175	917	229	530	565	203	48	28
13	211	99	492	516	291	939	486	461	481	204	45	32
14	221	84	422	554	484	1,050	709	406	410	227	48	42
15	191	74	412	475	515	674	676	687	363	197	71	46
16	178	90	444	376	557	558	537	740	336	179	56	43
17	170	97	417	340	553	1,180	571	672	435	160	55	43
18	161	84	375	268	505	1,730	528	616	414	123	59	42
19	151	83	327	261	462	1,350	474	582	459	162	57	126
20	143	94	295	257	403	1,270	614	587	463	202	50	155
21	134	94	279	261	324	1,230	744	657	418	192	44	133
22	116	101	262	250	300	1,440	656	591	416	345	38	126
23	81	107	226	247	280	1,320	845	527	469	161	35	106
24	60	102	258	296	265	1,320	839	452	457	111	31	88
25	78	119	345	335	249	1,240	743	383	437	170	31	74
26	70	133	330	300	252	1,150	636	338	427	160	31	64
27	64	128	321	271	254	1,180	555	304	427	121	29	71
28	60	207	321	228	239	1,270	487	279	368	88	40	53
29	55	278	302	208	245	1,200	423	254	322	77	34	45
30	50	623	290	192	------	1,120	377	225	343	65	31	51
31	46	------	287	184	------	915	------	309	------	57	29	------
TOTAL	3,248	4,042	11,579	10,416	9,296	33,661	16,937	16,081	16,288	6,527	1,490	1,964
MEAN	105	135	374	336	321	1,086	565	519	543	211	48.1	65.5
MAX	244	623	575	554	557	1,730	866	871	1,060	381	71	155
MIN	22	49	226	184	154	296	228	225	322	57	29	27
(†)	+3.1	+1.6	-0.5	-1.4	+0.7	+40.5	-41.0	-1.2	+0.1	-4.3	-1.2	+0.7
MEAN ‡	108	137	374	335	322	1,126	524	518	543	207	46.9	66.2
CFSM ‡	0.69	0.88	2.40	2.15	2.06	7.22	3.36	3.32	3.48	1.33	0.30	0.42
IN ‡	0.80	0.98	2.77	2.48	2.22	8.32	3.75	3.83	3.88	1.53	0.35	0.47

CAL YR 1971 TOTAL 78,038 MEAN 214 MAX 780 MIN 11 MEAN ‡ 217 CFSM ‡ 1.39 IN ‡ 18.87
WTR YR 1972 TOTAL 131,529 MEAN 359 MAX 1,730 MIN 22 MEAN ‡ 359 CFSM ‡ 2.30 IN ‡ 31.31

†Change in contents in East Brimfield and Westville Lakes, equivalent in cubic feet per second, furnished by the Corps of Engineers.

‡Adjusted for change in contents.

01124151 Quinebaug River at West Thompson, Conn.

LOCATION.--Lat 41°56'36", long 71°54'03", Windham County, on left bank, near downstream end of tailrace, upstream from concrete V-notch weir at flood-control dam at West Thompson.

DRAINAGE AREA.--172 sq mi (revised).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 291.00 ft above mean sea level.

AVERAGE DISCHARGE (adjusted for storage and diversion).--6 years, 280 cfs (22.11 inches per year).

EXTREMES.--Current year: Maximum discharge 1,990 cfs Mar. 30 (gage height, 6.28 ft); minimum daily, 13 cfs Aug. 31.

Period of record: Maximum discharge 2,010 cfs Mar. 28, 1968 (gage height, 6.30 ft); minimum daily, 12 cfs Aug. 28, 1970. No flow many days 1970, 1972 (regulation).

Flood of Aug. 19, 1955, reached a discharge of about 48,200 cfs by comparison of peak flow at Quinebaug and Putnam (gage height, 20.1 ft from floodmarks).

REMARKS.--Records good. Flow regulated by East Brimfield, Westville, and West Thompson Lakes (see p. [illegible]), and by smaller reservoirs upstream.

REVISIONS:

DATE	G.HT	DISCHARGE	DATE	G.HT	DISCHARGE
6-11-66	3.36	308	3-28-69	5.67	1,510
4-06-67	5.45	1,360	4-08-70	5.66	1,500
3-28-68	6.30	2,010	3-17-71	4.64	850

DISCHARGE, IN CUBIC FEET PER SECOND, FOR STATISTIC 00030, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	57	705	335	187	278	640	548	347	560	104	19
2	35	82	560	317	185	357	770	472	1,250	516	104	32
3	33	130	476	416	185	385	1,120	444	1,280	480	102	32
4	31	148	381	440	320	138	1,030	675	1,270	472	99	32
5	34	136	344	480	440	480	750	492	1,180	472	93	37
6	61	130	320	444	357	1,040	675	1,130	1,070	460	87	51
7	69	116	396	385	296	1,290	615	1,010	916	420	79	51
8	57	130	540	368	266	1,260	568	916	770	378	83	58
9	46	130	536	308	248	1,270	528	504	705	378	87	63
10	71	130	532	341	242	1,360	350	958	886	378	98	63
11	170	130	564	448	224	1,400	302	958	994	347	102	57
12	224	126	564	456	200	1,220	302	840	850	320	93	57
13	230	116	536	448	212	1,010	402	810	745	290	82	47
14	221	101	488	468	520	892	735	690	126	311	76	31
15	206	93	464	464	488	830	835	800	168	305	93	41
16	182	91	484	452	532	516	740	994	488	266	100	49
17	170	93	484	278	527	378	685	1,000	448	260	90	37
18	162	93	448	290	488	209	680	964	472	230	87	83
19	158	93	402	284	460	572	640	904	768	192	87	140
20	146	95	364	284	354	1,060	650	835	830	392	82	178
21	140	93	338	281	320	1,400	904	916	610	320	69	155
22	130	100	326	281	311	1,410	850	904	516	396	67	128
23	110	103	278	266	290	1,300	964	825	572	350	61	130
24	85	105	278	275	284	1,590	1,060	715	580	248	55	116
25	79	118	299	302	281	1,570	976	635	568	190	55	79
26	80	124	305	317	281	1,550	640	556	548	287	55	77
27	79	122	311	290	278	1,530	385	496	548	242	55	70
28	76	160	378	275	275	1,500	311	460	548	192	53	66
29	70	212	464	245	272	1,540	835	413	528	144	55	61
30	63	572	392	146	------	1,710	855	378	504	122	39	61
31	58	------	385	187	------	1,060	------	378	------	110	13	------
TOTAL	3,313	3,929	13,342	10,571	9,323	32,105	20,797	22,620	21,085	10,028	2,405	2,101
MEAN	107	131	430	341	321	1,036	693	730	703	323	77.6	70.0
MAX	230	572	705	480	532	1,710	1,120	1,130	1,280	560	104	178
MIN	31	57	278	146	185	138	302	378	126	110	13	19
(†)	+3.9	+10.0	-4.0	-5.3	+0.3	+46.9	-31.8	-11.2	+0.3	-9.8	-1.9	+0.2
MEAN ‡	111	141	426	336	321	1,083	661	719	703	313	75.7	70.2
CFSM ‡	0.65	0.82	2.48	1.95	1.87	6.30	3.84	4.18	4.09	1.82	0.44	0.41
IN ‡	0.75	0.92	2.86	2.25	2.02	7.26	4.28	4.82	4.56	2.10	0.51	0.46

CAL YR 1971 TOTAL 82,510 MEAN 226 MAX 770 MIN 16 MEAN ‡ 229 CFSM ‡ 1.33 IN ‡ 18.05
WTR YR 1972 TOTAL 151,619 MEAN 414 MAX 1,710 MIN 13 MEAN ‡ 414 CFSM ‡ 2.41 IN ‡ 32.71

† Change in contents in East Brimfield, Westville, and West Thompson Lakes, equivalent in cubic feet per second; furnished by the Corps of Engineers.

‡ Adjusted for change in contents.

01126600 Blackwell Brook near Brooklyn, Conn.

LOCATION.--Lat 41°45'55", long 71°57'25", Windham County, on left bank 75 ft upstream from bridge on State Highway 169, 1.5 miles south of Brooklyn.

DRAINAGE AREA.--17.0 sq mi (revised).

PERIOD OF RECORD.--Water year 1961 (occasional low-flow measurements), water years 1962-63 (occasional low-flow measurements and annual maximum). October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.03 ft above mean sea level. Prior to October 30, 1963, crest-stage indicator at bridge 75 ft downstream at same datum.

AVERAGE DISCHARGE.--9 years, 27.2 cfs (21.73 inches per year).

EXTREMES.--Current year: Maximum discharge 900 cfs Mar. 7 (gage height, 7.10 ft); minimum 2.4 cfs Oct. 5, 6, (gage height, 0.87 ft).

Period of record: Maximum discharge 1,100 cfs Apr. 2, 1970; minimum discharge recorded 0.4 cfs Sept. 8, 1964, Aug. 17, 1970; minimum gage height, 0.63 ft Sept. 8, 1964.

PEAK DISCHARGE.--(Base, 250 cfs):

DATE	TIME	G.HT	DISCHARGE
3-07	1400	7.10	900
3-17	2300	6.28	690
3-23	0400	4.16	284
5-04	0800	4.50	335
7-09	0400	5.37	504

REMARKS.--Records excellent, except for winter period which is good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	9.6	88	33	14	46	41	32	161	64	34	4.2
2	2.2	16	47	37	14	77	38	33	94	44	23	4.0
3	2.4	25	40	79	16	596	37	63	52	34	17	29
4	2.2	21	28	59	144	315	38	265	38	36	20	44
5	2.1	15	28	79	96	146	44	141	42	29	14	20
6	2.4	12	22	70	46	106	46	84	36	29	11	13
7	2.9	14	75	48	32	85	42	63	33	24	13	9.4
8	2.7	15	74	34	26	157	39	61	28	44	21	8.0
9	2.8	12	50	35	23	173	36	72	28	282	16	7.4
10	60	11	41	76	21	95	32	95	89	83	12	6.7
11	99	11	39	63	19	70	33	66	68	45	5.5	6.1
12	31	10	33	52	17	64	34	55	40	32	8.3	5.6
13	17	9.9	29	46	46	69	46	46	31	34	7.9	6.1
14	12	9.2	26	60	136	66	77	41	27	42	7.8	9.4
15	10	9.1	32	48	67	57	53	143	25	32	25	9.8
16	9.4	11	41	39	48	65	45	118	23	24	15	8.4
17	7.8	11	36	27	39	395	46	73	85	20	13	7.0
18	6.5	11	30	25	30	431	38	57	72	18	10	6.9
19	5.8	11	25	28	26	179	33	48	167	24	11	18
20	5.8	10	23	26	20	121	53	60	135	71	8.7	36
21	5.6	9.7	25	27	19	90	83	86	72	42	7.4	21
22	5.7	10	25	27	18	125	57	59	70	29	6.3	16
23	5.9	10	25	27	17	225	127	45	109	21	5.6	13
24	5.8	9.3	27	29	24	135	101	37	81	22	5.2	10
25	13	17	44	30	23	93	72	31	61	22	4.9	10
26	16	25	37	25	23	73	56	27	52	35	4.9	9.1
27	12	19	35	27	23	62	46	25	51	23	7.5	8.4
28	10	47	32	18	24	56	41	23	40	16	8.0	7.7
29	9.9	56	27	17	31	51	37	20	34	12	6.1	6.7
30	7.8	165	27	17	------	47	34	19	48	10	5.4	7.7
31	6.5	------	39	15	------	44	------	32	------	10	4.7	------
TOTAL	383.4	621.7	1,150	1,223	1,082	4,314	1,505	2,020	1,892	1,253	367.2	368.6
MEAN	12.4	20.7	37.1	39.5	37.3	139	50.2	65.2	63.1	40.4	11.8	12.3
MAX	99	165	88	79	144	596	127	265	167	282	34	44
MIN	2.1	9.3	22	15	14	44	32	19	23	10	4.7	4.0
CFSM	.73	1.22	2.19	2.32	2.19	8.18	2.95	3.84	3.71	2.39	.69	.72
IN.	.84	1.36	2.52	2.68	2.37	9.44	3.29	4.42	4.14	2.74	.80	.81

CAL YR 1971 TOTAL 9,962.9 MEAN 27.3 MAX 176 MIN 1.2 CFSM 1.61 IN 21.80
WTR YR 1972 TOTAL 16,179.9 MEAN 44.2 MAX 596 MIN 2.1 CFSM 2.60 IN 35.41

01126950 Pachaug River at Pachaug, Conn.

LOCATION.--Lat 41°35'05", long 71°56'02", New London County, on right bank 300 ft upstream from bridge on State Highway 138 at Pachaug, and 0.3 mile downstream from Pachaug Pond.

DRAINAGE AREA.--53.0 sq mi (revised).

PERIOD OF RECORD.--July 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 144.85 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--11 years, 91.7 cfs (23.48 inches per year).

EXTREMES.--Current year: Maximum discharge 692 cfs Mar. 4 (gage height, 5.51 ft); minimum, 14 cfs Oct. 1,2, 4-6, (gage height, 1.92 ft).

Period of record: Maximum discharge 1,180 cfs Mar. 19, 1968 (gage height, 7.45 ft); minimum, no flow many days in July, August, September and October 1968 (regulated).

Flood of Sept. 21, 1938, reached a discharge of 2,240 cfs by computation of flow over dam 5.5 miles downstream (drainage area, 59.1 sq mi).

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE
3-04	1900	5.51	692
3-18	2000	5.72	745
6-20	1000	5.33	648

REMARKS.--Records excellent. Flow regulated at times by Pachaug Pond.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	38	198	115	53	169	175	130	181	190	60	20
2	15	40	185	117	51	202	164	131	218	189	58	18
3	16	53	156	142	57	388	152	142	212	166	54	56
4	15	57	129	155	137	654	155	229	188	138	52	87
5	15	55	109	176	161	636	159	273	193	128	47	90
6	19	50	98	176	156	483	157	263	162	119	41	89
7	21	49	116	156	140	382	191	222	156	109	39	86
8	18	46	126	135	117	345	142	198	147	101	40	84
9	17	42	126	122	100	351	130	191	137	93	37	78
10	78	41	119	150	88	324	125	221	138	86	30	72
11	147	39	110	166	80	271	125	222	130	79	27	66
12	154	37	102	166	73	244	128	199	121	74	27	65
13	136	36	92	156	91	294	137	175	111	97	26	67
14	111	35	88	147	157	245	159	155	103	142	25	77
15	91	34	93	134	180	277	171	231	96	145	38	78
16	77	38	94	116	175	299	163	286	90	130	34	76
17	64	42	94	103	156	451	157	276	161	112	33	75
18	53	39	86	88	135	709	152	236	197	97	33	74
19	44	38	81	83	120	693	141	203	463	98	31	87
20	34	37	77	83	110	532	149	200	638	150	29	93
21	28	37	76	89	106	413	171	224	565	138	26	81
22	25	36	70	89	100	388	179	218	477	123	24	79
23	24	35	70	88	95	462	220	194	425	105	21	73
24	23	34	73	87	93	459	246	169	369	99	21	64
25	36	70	83	83	90	400	237	147	314	86	20	59
26	41	103	94	81	88	327	211	127	265	75	23	54
27	42	114	95	76	87	277	186	119	226	69	27	48
28	40	124	90	71	110	237	165	106	201	65	26	40
29	38	128	86	65	144	215	150	98	181	59	24	34
30	34	189	92	60	------	198	140	93	180	54	23	35
31	32	------	114	57	------	183	------	96	------	51	22	------
TOTAL	1,503	1,722	3,222	3,532	3,250	11,468	4,905	5,768	7,035	3,367	1,018	2,005
MEAN	48.5	57.4	104	114	112	370	164	186	235	109	32.8	66.8
MAX	154	189	198	176	180	709	246	286	638	190	60	93
MIN	15	34	70	57	51	169	125	93	90	51	20	18
CFSM	.92	1.08	1.96	2.15	2.11	6.98	3.09	3.51	4.43	2.06	.62	1.26
IN.	1.05	1.21	2.26	2.48	2.28	8.05	3.44	4.05	4.94	2.36	.71	1.41

CAL YR 1971 TOTAL 30,152.2 MEAN 82.6 MAX 304 MIN 2.8 CFSM 1.56 IN 21.16
WTR YR 1972 TOTAL 48,795.0 MEAN 133 MAX 709 MIN 15 CFSM 2.51 IN 34.25

01127000 Quinebaug River at Jewett City, Conn.

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, on left bank behind high school on Slater Avenue, Jewett City, 570 ft downstream from outlet of canal from Wedgewood Mills at mouth of Pachaug River, 1,000 ft downstream from railroad bridge and at mile 6.1.

DRAINAGE AREA.--715 sq mi (revised).

PERIOD OF RECORD.--July 1918 to current year.

GAGE.--Water-stage recorder. Datum of gage is 63.07 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--54 years, 1,325 cfs (25.18 inches per year).

EXTREMES.--Current year: Maximum discharge 12,800 cfs Mar. 4 (gage height, 16.53 ft); minimum 158 cfs Oct. 4, 5 (gage height 4.39 ft); minimum daily 159 cfs Oct. 5.

Period of record: Maximum discharge 40,700 cfs Aug. 20, 1955 (gage height, 29.0 ft from floodmarks), from rating curve extended above 11,000 cfs by computation of peak flows over three nearby dams at gage height, 21.7, 22.5, 24.0 and 29.0 ft; minimum 17 cfs Aug. 27, 1949 (gage height, 3.47 ft); minimum daily 18 cfs Aug. 29, Dec. 11, 1949.

REMARKS.--Records excellent. Flow regulated by East Brimfield, Westville, West Thompson, Hodges Village, Buffumville Reservoirs, (see p. 35), by Lake Chaugunagungamoug (estimated usable capacity 207,000,000 cu ft), and by smaller reservoirs upstream. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	377	2,480	1,360	861	1,630	2,910	1,940	2,900	2,240	797	278
2	173	439	2,180	1,310	886	2,230	2,590	1,720	3,990	2,080	820	254
3	170	629	1,740	1,850	867	7,080	2,670	1,800	3,640	1,820	717	474
4	161	706	1,470	1,960	1,990	10,800	2,970	4,380	3,080	1,650	690	1,030
5	159	669	1,220	2,240	2,420	6,640	2,660	4,960	2,860	1,530	640	854
6	183	602	1,100	2,150	1,870	5,240	2,440	4,280	2,710	1,480	565	685
7	235	574	1,400	1,840	1,690	4,860	2,260	3,580	2,640	1,380	540	585
8	229	587	1,870	1,640	1,360	5,380	2,070	3,050	2,330	1,280	730	526
9	212	577	1,900	1,370	1,310	6,240	1,930	2,860	2,080	1,760	700	490
10	580	565	1,790	1,930	1,210	5,390	1,780	3,490	2,910	1,510	600	450
11	1,390	551	1,730	2,310	1,130	4,860	1,590	3,380	3,280	1,270	536	422
12	1,180	528	1,710	2,280	1,030	4,430	1,600	2,980	2,840	1,150	490	402
13	1,040	497	1,650	2,190	1,150	4,110	1,650	2,560	2,400	1,150	459	410
14	849	456	1,560	2,290	2,480	3,700	2,340	2,270	2,050	1,550	442	446
15	736	435	1,520	2,180	2,830	3,600	2,500	3,220	1,510	1,400	585	477
16	680	445	1,560	1,920	2,470	3,320	2,380	4,170	1,600	1,230	600	472
17	608	463	1,570	1,420	2,230	5,230	2,220	3,760	2,170	1,090	536	450
18	539	463	1,480	1,440	1,960	9,670	2,120	3,260	2,470	980	486	414
19	500	446	1,360	1,430	1,960	7,670	1,990	2,840	3,990	1,000	472	555
20	455	442	1,250	1,340	1,850	6,020	2,050	2,700	5,040	1,570	442	1,060
21	434	437	1,220	1,320	1,510	5,660	2,880	3,190	3,980	1,620	410	998
22	415	447	1,170	1,320	1,760	5,740	2,880	3,030	3,230	1,330	382	854
23	396	452	1,070	1,280	1,460	7,060	3,420	2,680	3,410	1,280	362	730
24	373	447	1,060	1,300	1,450	6,710	3,810	2,320	3,230	1,140	354	630
25	421	621	1,270	1,360	1,410	5,900	3,600	2,020	2,900	945	366	565
26	463	895	1,330	1,380	1,350	5,310	3,050	1,760	2,530	1,180	346	513
27	451	866	1,310	1,280	1,370	4,810	2,530	1,600	2,320	1,150	346	468
28	424	953	1,300	1,210	1,350	4,550	1,890	1,470	2,130	959	426	434
29	399	1,190	1,380	1,070	1,400	4,340	1,980	1,350	1,950	786	418	402
30	370	2,060	1,370	1,060	------	4,150	2,240	1,270	1,940	700	370	418
31	345	------	1,470	941	------	3,860	------	1,240	------	640	330	------
TOTAL	14,749	18,799	46,490	49,971	46,614	166,190	73,000	85,130	84,110	40,870	15,957	16,746
MEAN	476	627	1,500	1,612	1,607	5,361	2,433	2,746	2,804	1,318	515	558
MAX	1,390	2,060	2,480	2,310	2,830	10,800	3,810	4,960	5,040	2,260	820	1,060
MIN	159	377	1,060	941	861	1,630	1,590	1,240	1,510	640	330	254
(†)	+4.5	+12.8	-4.5	-5.9	+0.7	+63.5	-48.8	-12.7	+0.4	-11.6	-2.9	+0.5
MEAN ‡	480	640	1,496	1,606	1,608	5,424	2,384	2,733	2,804	1,306	512	558
CFSM ‡	0.67	0.90	2.09	2.25	2.25	7.59	3.33	3.82	3.92	1.83	0.72	0.78
IN ‡	0.77	1.00	2.41	2.59	2.43	8.75	3.72	4.40	4.37	2.10	0.83	0.87

CAL YR 1971 TOTAL 376,621 MEAN 1,026 MAX 3,770 MIN 113 MEAN 1,029 ‡ CFSM ‡ 1.44 IN ‡ 19.55
WTR YR 1972 TOTAL 658,626 MEAN 1,800 MAX 10,800 MIN 159 MEAN 1,800 ‡ CFSM ‡ 2.52 IN ‡ 34.21

†Change in contents in East Brimfield, Westville, West Thompson, Hodges Village, Buffumville, and Quaddick Reservoirs, and Pachaug Pond, equivalent in cubic feet per second; reservoir records furnished by Corps of Engineers.

‡Adjusted for change in contents.

01127500 Yantic River at Yantic, Conn.

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, on left bank at Yantic, 700 ft downstream from stone-arch highway bridge, 1 mile downstream from Susquetonscut Brook, and 4.8 miles upstream from mouth.

DRAINAGE AREA.--90.0 sq mi (revised).

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 95.46 ft above mean sea level.

AVERAGE DISCHARGE.--42 years, 154 cfs (23.24 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,160 cfs Mar. 3 (gage height, 9.03 ft); minimum, 13 cfs Oct. 2 (gage height, 1.05 ft).

Period of record: Maximum discharge 13,500 cfs Sept. 21, 1938 (gage height, 14.66 ft from flood-marks), by computation of flow over two dams 2.5 miles upstream and 3 miles downstream from station, respectively; minimum, 2.2 cfs Aug. 3, 1963; minimum gage height, 0.41 ft Oct. 13, 1930; minimum daily discharge, 2.3 cfs Aug. 30, 1963.

PEAK DISCHARGE.--(Base, 1,000 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
2-04	0830	5.52	1,130	5-04	0200	6.27	1,440
3-03	1600	9.03	3,160	6-01	1100	5.56	1,140
3-08	1800	5.34	1,060	6-19	1300	8.87	3,030
3-17	1900	8.74	2,920	6-30	1500	6.06	1,340
3-22	2200	7.12	1,860				

REMARKS.--Records excellent. Low flow regulated by mills upstream. Records of water quality for current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	94	401	196	90	297	253	167	960	1,060	49	18
2	14	92	235	210	85	676	241	172	791	623	46	18
3	16	99	172	414	87	2,320	231	391	436	309	38	115
4	20	96	167	321	784	1,790	228	1,360	279	312	35	190
5	19	73	119	373	399	992	265	858	289	265	30	80
6	19	98	110	296	243	525	261	521	260	262	27	49
7	19	65	252	227	165	475	211	382	246	227	29	38
8	17	73	206	188	156	772	184	323	220	196	85	67
9	15	67	227	171	153	756	166	395	196	168	62	32
10	223	57	198	333	143	486	153	541	443	169	41	26
11	303	93	184	324	138	375	153	393	309	134	28	23
12	176	90	163	266	132	462	165	305	256	122	40	22
13	104	48	148	229	229	537	223	252	193	131	41	23
14	65	46	132	206	729	432	360	222	167	174	37	70
15	56	45	149	255	417	405	287	716	158	144	89	92
16	65	62	178	186	272	447	243	607	154	120	75	89
17	63	69	162	171	201	1,950	270	412	610	106	52	71
18	52	59	143	129	169	1,940	231	312	515	132	47	52
19	43	56	116	144	193	1,030	198	256	2,030	160	35	54
20	39	55	112	146	213	640	206	349	1,710	274	39	67
21	37	95	124	177	199	487	394	486	930	212	27	43
22	36	74	120	182	162	841	305	393	917	153	27	39
23	43	76	95	179	169	1,450	612	256	1,060	121	25	38
24	47	62	119	182	144	855	507	208	1,020	103	23	27
25	85	153	193	170	130	559	377	176	704	95	26	25
26	98	227	178	140	154	436	288	154	541	87	26	25
27	60	173	162	120	141	370	239	142	407	69	25	31
28	48	258	150	115	136	330	214	133	319	60	29	22
29	41	266	140	110	177	302	191	108	312	51	41	21
30	37	623	140	100	------	280	176	101	812	38	25	25
31	51	------	229	95	------	265	------	154	------	33	19	------
TOTAL	1,924	3,246	5,284	6,433	6,409	23,242	7,892	11,205	17,382	6,148	1,218	1,432
MEAN	62.1	108	170	208	221	750	263	361	579	198	39.3	47.7
MAX	303	623	401	414	784	2,320	612	1,360	2,030	1,060	89	190
MIN	14	45	95	95	85	265	153	101	154	33	19	18
CFSM	.69	1.20	1.89	2.31	2.46	8.33	2.92	4.01	6.43	2.20	.44	.53
IN.	.80	1.34	2.18	2.66	2.65	9.61	3.26	4.63	7.18	2.54	.50	.59

CAL YR 1971 TOTAL 44,167.2 MEAN 121 MAX 1,070 MIN 5.4 CFSM 1.34 IN 18.26
WTR YR 1972 TOTAL 91,915.0 MEAN 251 MAX 2,320 MIN 14 CFSM 2.79 IN 37.95

Reservoirs in Thames River basin

01119259. **STAFFORDVILLE RESERVOIR.**--Lat 41°59'46", long 72°15'37", Tolland County, Conn., on Furnace Brook in Willimantic River basin, at Staffordville. Drainage area, 8.34 sq mi. Usable capacity, 75,500,000 cu ft, based on reservoir survey by Connecticut Board of Fisheries and Game. Records available, September 1960 to current year. Dam was rebuilt after 1886 flood for storage of water for power and industrial supply.

01121500. **MANSFIELD HOLLOW LAKE.**--Lat 41°45'22", long 72°10'57", Tolland County, Conn., on Natchaug River at Mansfield Hollow, 3.5 miles northeast of Willimantic. Drainage area, 160 sq mi. Usable capacity, 2,260,000,000 cu ft, including 90,000,000 cu ft storage in recreation pool. Records available, March 1952 to current year. Completed in 1952 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01123350. **EAST BRIMFIELD LAKE.**--Lat 42°06'32", long 72°07'35", Worcester County, Mass., on Quinebaug River, 0.7 mile southeast of Fiskdale, 1.2 miles east of East Brimfield. Drainage area, 67.5 sq mi. Usable capacity, 1,400,000,000 cu ft including 83,000,000 cu ft storage in recreation and conservation pool. Records available, July 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for recreation, conservation, and flood control. Records furnished by Corps of Engineers.

01123550. **WESTVILLE LAKE.**--Lat 42°04'55", long 72°03'28", Worcester County, Mass., on Quinebaug River, 1.3 miles west of Southbridge. Drainage area, 99.1 sq mi. Usable capacity, 484,000,000 cu ft, including 4,400,000 cu ft storage in recreation pool. Records available, February 1962 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124150. **WEST THOMPSON LAKE.**--Lat 41°56'40", long 71°54'00", Windham County, Conn., on Quinebaug River above mouth of French River, at West Thompson. Drainage area, 172 sq mi. Usable capacity, 1,170,000,000 cu ft, including 52,000,000 cu ft storage in recreation pool. Records available, July 1965 to current year. Completed in 1965 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124300. **HODGES VILLAGE RESERVOIR.**--Lat 42°07'09", long 71°52'51", Worcester County, Mass., on French River at Hodges Village. Drainage area, 31.1 sq mi. Usable capacity, 577,000,000 cu ft. Records available February 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for flood control. Records furnished by Corps of Engineers.

01124400. **BUFFUMVILLE LAKE.**--Lat 42°06'58", long 71°54'29", Worcester County, Mass., on Little River in French River basin, at Buffumville, 2.25 miles west of Oxford. Drainage area, 26.5 sq mi. Usable capacity, 555,000,000 cu ft including 61,000,000 cu ft storage in recreation pool. Records available, September 1958 to current year. Completed in 1958 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

Month-end usable contents, in millions of cubic feet, water year October 1971 to September 1972

Date	Staffordville Reservoir	Mansfield Hollow Lake	East Brimfield Lake	Westville Lake
Sept. 30, 1971.....	41.8	112.8	102.7	4.8
Oct. 31............	32.8	30.1	111.0	4.8
Nov. 30............	41.9	87.1	114.3	5.7
Dec. 31............	75.5	55.5	112.6	6.4
Jan. 31, 1972......	75.5	38.0	109.3	5.7
Feb. 29............	75.5	42.8	111.0	5.8
Mar. 31............	75.5	158.1	220.5	7.4
Apr. 30............	75.5	145.3	116.0	5.7
May 31............	75.5	128.7	112.6	5.8
June 30............	75.5	141.1	116.0	6.2
July 31............	75.5	116.8	104.4	6.1
Aug. 31............	63.5	120.8	102.7	4.7
Sept. 30............	75.5	31.0	104.4	4.7

Date	West Thompson Lake	Hodges Village Reservoir	Buffumville Lake	
Sept. 30, 1971.....	56.5	0.6	61.9	
Oct. 31............	58.6	.5	63.6	
Nov. 30............	80.5	1.4	69.7	
Dec. 31............	71.1	1.0	68.8	
Jan. 31, 1972......	60.7	1.0	67.1	
Feb. 29	59.6	1.2	68.0	
Mar. 31............	74.3	4.1	112.1	
Apr. 30............	97.8	1.4	70.6	
May 31............	71.1	.8	67.1	
June 30............	75.3	1.0	68.8	
July 31............	60.7	.6	64.5	
Aug. 31............	58.6	.6	61.9	
Sept. 30............	57.5	.5	62.7	

CONNECTICUT RIVER BASIN

01184000 Connecticut River at Thompsonville, Conn.

(International Hydrological Decade River Station)

LOCATION.--Lat 41°59'14", long 72°36'21", Hartford County, on right bank just upstream from Enfield Dam, 1 mile downstream from Thompsonville, 3 miles downstream from Massachusetts-Connecticut State line, and at mile 68.2.

DRAINAGE AREA.--9,661 sq mi.

PERIOD OF RECORD.--July 1928 to current year.

GAGE.--Water-stage recorders on river and on canal of Connecticut Light and Power Co. Datum of gage is 38.48 ft above mean sea level.

AVERAGE DISCHARGE.--44 years, 16,020 cfs (22.52 inches per year), adjusted for storage and diversion.

EXTREMES.--Current year: Maximum discharge, 90,900 cfs May 6 (gage height, 6.55 ft); minimum daily, 2,680 cfs Oct. 31.
Period of record: Maximum discharge, 282,000 cfs Mar. 20, 1936 (gage height, 16.6 ft, from floodmarks); minimum daily, 968 cfs Oct. 20, 1963.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Discharge includes water diverted around station by canal of Connecticut Light & Power Co. Flow regulated by powerplants, by diversion from Chicopee River basin (see table below), and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, Quabbin Reservoir (see p.), and other reservoirs (combined usable capacity, about 107 billion cubic feet). Records of chemical analyses and water temperatures for the current year for this station and for station 01183750 (Connecticut River at Agawam, Mass.), 4.5 miles upstream, are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 741: 1932. WSP 891: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,040	3,590	13,300	10,200	9,200	11,000	26,200	51,400	27,200	31,800	10,200	5,050
2	3,710	6,240	9,200	6,830	9,290	14,500	28,000	57,400	34,500	26,800	9,220	5,610
3	2,740	8,680	8,310	10,200	8,700	18,500	31,600	67,600	31,500	20,900	8,160	4,690
4	3,040	7,900	6,800	12,700	9,810	20,500	29,700	78,800	26,000	28,100	8,520	2,770
5	4,810	6,880	5,970	13,500	10,400	19,400	28,500	88,500	26,400	24,900	8,960	2,880
6	5,290	5,570	6,440	11,400	6,410	17,500	26,500	89,900	25,800	21,800	8,600	3,370
7	5,000	4,920	8,410	9,950	8,500	16,500	24,700	85,300	21,000	19,500	6,830	4,360
8	6,000	6,100	12,700	9,090	10,100	19,500	24,000	84,900	21,400	16,900	8,320	3,680
9	4,550	7,730	19,200	7,550	10,100	14,000	22,000	85,600	21,400	14,200	8,810	3,930
10	5,190	8,150	12,000	9,490	10,500	15,000	19,600	84,900	25,900	11,300	7,620	3,250
11	11,800	7,890	19,300	12,900	10,500	14,400	18,400	79,300	29,100	11,700	7,300	2,930
12	13,400	7,650	16,800	14,300	7,440	12,100	19,900	70,300	23,400	15,200	8,860	2,950
13	10,500	6,700	19,900	13,900	6,910	12,400	24,100	57,400	20,100	17,600	6,230	3,990
14	8,960	2,970	17,300	14,300	9,450	11,900	33,800	50,100	18,700	17,200	5,520	4,680
15	7,920	3,750	19,100	14,800	13,900	10,600	39,700	43,100	16,800	15,300	5,850	5,450
16	6,250	5,320	14,300	12,300	13,900	11,900	36,900	46,100	16,900	10,800	7,160	5,040
17	3,850	5,430	18,000	11,700	12,900	18,200	42,500	52,200	16,600	7,800	6,100	3,380
18	3,890	5,630	19,500	11,400	12,900	31,600	57,700	57,700	15,600	11,200	6,940	2,930
19	5,410	6,030	16,600	12,100	11,900	35,100	68,000	58,800	12,300	12,000	6,340	4,090
20	5,860	5,960	12,900	13,800	10,400	34,800	79,000	49,800	13,500	12,100	3,570	5,170
21	6,260	5,510	12,800	13,800	8,500	30,600	87,900	49,100	15,900	11,100	4,790	5,060
22	6,980	5,900	12,600	12,800	8,720	30,000	76,500	41,200	16,300	10,100	6,110	3,260
23	6,590	8,570	11,200	12,200	8,530	44,900	72,600	37,100	16,100	11,400	5,930	3,730
24	6,590	7,820	10,300	9,590	8,530	50,600	72,800	26,600	19,200	14,400	4,860	3,300
25	6,280	6,950	11,600	10,200	9,320	45,400	72,000	21,900	25,000	16,500	5,130	2,880
26	6,980	5,120	13,100	12,600	9,450	39,400	70,800	19,900	26,100	19,300	5,720	3,770
27	8,300	4,090	12,700	13,200	8,330	34,100	66,300	18,200	28,800	16,800	3,840	3,660
28	7,730	5,380	13,900	12,000	8,980	29,500	57,800	15,200	25,900	14,500	6,030	3,840
29	8,050	6,330	14,800	11,100	9,530	26,600	50,000	11,500	19,800	12,500	11,000	4,060
30	6,450	10,700	15,000	9,640	------	26,000	48,500	10,700	21,200	11,900	9,330	3,760
31	2,680	------	15,200	7,990	------	26,500	------	11,500	------	10,600	8,120	------
TOTAL	190,070	187,140	399,130	356,930	281,940	739,000	1,356.0M	1,597.2M	652,800	496,400	219,570	117,520
MEAN	6,131	6,238	12,880	11,510	9,723	23,840	45,200	51,520	21,760	16,010	7,083	3,917
MAX	13,400	10,700	19,900	14,800	13,900	50,600	87,900	89,900	34,500	31,800	11,000	5,610
MIN	2,680	2,970	5,970	6,830	6,410	10,600	18,400	10,700	12,300	7,800	3,570	2,770
(†)	453	499	693	12.5	236	20.2	8.97	0	108	246	480	472
MEAN‡	5,426	5,844	13,140	11,190	8,644	23,700	48,060	56,660	22,700	15,970	5,939	2,921
CFSM‡	.56	.60	1.36	1.16	.89	2.45	4.97	5.86	2.35	1.65	.61	.30
IN.‡	.65	.68	1.57	1.34	.97	2.83	5.55	6.76	2.62	1.91	.71	.34

CAL YR 1971 TOTAL 4,874,460 MEAN 13,350 MAX 76,600 MIN 1,620 MEAN‡ 13,630 CFSM‡ 1.41 IN‡ 19.15
WTR YR 1972 TOTAL 6,593,720 MEAN 18,020 MAX 89,900 MIN 2,680 MEAN‡ 18,390 CFSM‡ 1.90 IN‡ 25.91

M Expressed in thousands.
† Diversion, in cubic feet per second, from Chicopee River basin to Wachusett Reservoir.
‡ Adjusted for change in contents in all reservoirs from First Connecticut and Second Connecticut Lakes to Borden Brook and Cobble Mountain Reservoirs listed on p. and for diversion from Chicopee River basin.
NOTE.--No gage-height record Feb. 5 to Mar. 10.

01184490 Broad Brook at Broad Brook, Conn.

LOCATION.--Lat 41°54'50", long 72°33'00", Hartford County, on left bank just upstream from bridge on State Highway 191 (Mill Street) at Broad Brook, 0.5 mile upstream from mouth.

DRAINAGE AREA.--15.6 sq mi.(revised).

PERIOD OF RECORD.--August 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 53.24 ft above mean sea level.

AVERAGE DISCHARGE.--11 years, 19.9 cfs (17.32 inches per year).

EXTREMES.--Current year: Maximum discharge 800 cfs Mar. 3 (gage height, 5.30 ft); minimum 7.4 cfs Oct. 4.
Period of record: Maximum discharge 802 cfs Feb. 3, 1970 (gage height, 5.31 ft); minimum 1.35 cfs Jan 1, 1965; minimum daily 1.70 cfs (gage height, 0.43 ft), July 17, 1965.

PEAK DISCHARGE.--(Base, 150 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0130	2.35	172
3-03	0900	5.30	800
3-17	1730	3.77	454

REMARKS.--Records good. Flow regulated by reservoir and mill upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	11	29	18	15	39	39	31	95	63	23	15
2	8.6	15	21	22	16	103	35	33	47	37	22	14
3	8.4	16	18	34	17	487	36	42	34	30	21	14
4	8.4	14	17	25	74	128	35	85	34	31	21	16
5	8.5	12	16	28	24	74	38	57	58	27	20	15
6	9.0	11	16	21	19	55	37	41	37	27	19	15
7	9.5	16	37	20	18	54	35	35	53	23	20	14
8	8.7	18	34	19	17	111	32	36	32	24	21	16
9	8.4	13	25	20	16	70	31	42	35	28	23	13
10	29	12	24	40	18	47	29	41	83	21	22	16
11	31	12	24	31	15	41	31	36	44	19	21	18
12	15	12	21	28	15	49	31	34	33	17	19	15
13	12	12	20	25	39	59	40	31	31	30	18	15
14	11	11	19	28	83	48	47	32	29	37	18	16
15	11	12	21	23	29	44	35	70	27	30	29	16
16	9.9	15	23	18	25	43	32	53	26	42	23	15
17	8.8	13	20	17	22	249	35	43	35	26	21	15
18	9.1	12	19	18	22	198	30	52	29	25	20	13
19	9.7	12	17	19	21	97	28	39	60	26	19	20
20	9.5	12	17	19	20	64	57	45	34	22	18	21
21	10	12	17	19	15	61	69	52	33	23	17	16
22	9.5	13	17	19	19	82	46	48	26	22	16	16
23	9.8	12	15	19	19	109	65	35	29	22	14	15
24	11	12	23	24	19	70	66	32	47	23	16	15
25	16	16	26	23	18	39	68	29	36	22	15	15
26	14	16	21	19	18	47	39	28	95	21	15	15
27	12	14	21	17	18	43	37	27	42	20	16	15
28	11	30	20	17	18	41	35	26	29	19	17	15
29	10	31	18	16	18	40	34	26	25	18	17	13
30	10	63	20	16	------	38	32	26	66	18	15	15
31	10	------	23	16	------	38	------	35	------	18	14	------
TOTAL	357.3	480	656	678	684	2,672	1,160	1,230	1,163	809	592	455
MEAN	11.5	16.0	21.2	21.9	23.6	86.2	38.7	39.7	38.8	26.1	19.1	15.2
MAX	31	63	37	40	83	487	69	85	95	63	29	21
MIN	8.4	11	15	16	15	38	28	26	25	17	14	13
CFSM	.74	1.03	1.36	1.40	1.53	5.53	2.48	2.56	2.49	1.67	1.22	.97
IN.	.85	1.14	1.56	1.62	1.64	6.37	2.77	2.93	2.77	1.93	1.41	1.09

CAL YR 1971 TOTAL 7,005.8 MEAN 19.2 MAX 84 MIN 6.0 CFSM 1.23 IN 16.71
WTR YR 1972 TOTAL 10,941.3 MEAN 29.9 MAX 487 MIN 8.4 CFSM 1.92 IN 26.09

01186000 West Branch Farmington River at Riverton, Conn.

LOCATION.--Lat 41°57'46", long 73°01'05", Litchfield County, on right bank at downstream side of bridge on State Highway 20 at Riverton, 0.3 mile upstream from Still River, 2.0 miles downstream from Goodwin Dam of West Branch Reservoir, and at mile 55.0.

DRAINAGE AREA.--131 sq mi (revised).

PERIOD OF RECORD.--August 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 485.60 ft above mean sea level. Prior to Mar. 29, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE (adjusted for storage).--17 years, 230 cfs (23.85 inches per year).

EXTREMES.--Current year: Maximum discharge 2,130 cfs July 7 (gage height, 7.22 ft); minimum, 52 cfs Aug. 20 (gage height, 3.00 ft).

Period of record: Maximum discharge observed, 10,600 cfs Oct. 16, 1955 (gage height, 12.47 ft); minimum discharge, 0.9 cfs July 21, 1960; minimum gage height, 2.43 ft Sept. 16, 1957.

Flood of Aug. 19, 1955 reached a stage of 21.1 ft from floodmarks (discharge, 57,200 cfs, by slope-area measurement 1.5 miles upstream).

REMARKS.--Records excellent. Flow regulated by Colebrook River, Otis and West Branch Reservoirs (see p. 66).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	205	130	262	167	393	194	665	365	140	110	449
2	376	207	130	269	164	333	206	220	269	226	110	449
3	376	211	133	282	158	302	196	256	590	847	120	449
4	378	209	132	271	178	207	200	315	856	405	132	449
5	379	207	131	236	170	192	183	696	902	699	121	449
6	408	206	129	165	163	182	186	889	720	1,400	130	447
7	463	215	177	167	162	176	189	882	653	1,900	132	442
8	462	217	178	166	158	177	179	680	619	2,090	118	442
9	463	220	176	165	147	177	176	526	912	2,060	104	442
10	507	190	172	190	126	176	179	632	904	2,000	116	442
11	503	116	206	186	126	171	186	579	618	1,950	99	442
12	421	114	192	195	126	177	188	448	525	1,890	98	442
13	412	111	177	224	162	182	244	356	615	1,470	106	441
14	460	106	171	247	192	178	249	299	610	821	112	439
15	387	110	191	226	195	177	225	326	956	708	99	439
16	273	110	293	213	150	170	228	681	323	706	63	439
17	273	103	296	212	135	275	610	961	272	696	60	435
18	208	86	243	212	133	287	1,170	776	326	402	55	435
19	165	85	233	210	136	236	1,520	608	470	176	[illegible]	446
20	192	95	233	200	137	207	1,160	566	680	198	52	439
21	263	85	233	200	130	190	180	517	382	150	93	439
22	279	86	258	200	131	316	501	505	203	138	211	439
23	343	85	312	200	142	312	801	497	391	136	296	439
24	348	80	325	201	167	231	1,120	333	297	149	297	440
25	349	99	342	220	347	206	1,930	198	138	120	380	442
26	281	100	330	200	950	193	1,850	176	251	133	380	442
27	232	102	328	176	950	187	1,960	169	799	122	383	401
28	205	109	329	171	956	182	2,000	167	1,120	117	378	330
29	223	126	312	169	956	190	1,990	169	976	103	418	330
30	206	179	275	169	------	198	1,620	136	990	102	420	331
31	205	------	269	168	------	187	------	199	------	112	447	------
TOTAL	10,376	4,170	6,967	6,366	6,170	6,895	21,236	13,993	15,780	22,316	5,440	12,890
MEAN	335	139	225	205	213	221	708	451	526	720	175	430
MAX	507	220	342	282	956	393	2,000	961	1,120	2,090	447	449
MIN	165	80	129	166	126	171	176	136	138	102	52	330
(†)	-201	-7.4	+252	+85.2	+5.9	+237	+168	+34.3	+179	-253	-120	-375
MEAN‡	134	132	477	290	219	458	876	485	705	467	55	55
CFSM‡	1.02	1.01	3.64	2.21	1.67	3.50	6.69	3.70	5.38	3.56	0.42	0.42
IN‡	1.18	1.13	4.20	2.55	1.80	4.04	7.46	4.27	6.00	4.10	0.48	0.47

CAL YR 1971 TOTAL 79,953 MEAN 219 MAX 956 MIN 51 MEAN‡ 247 CFSM‡ 1.88 IN‡ 25.64
WTR YR 1972 TOTAL 132,573 MEAN 362 MAX 2,090 MIN 52 MEAN‡ 364 CFSM‡ 2.78 IN‡ 37.78

‡Adjusted for change in contents.

†Change in contents in Colebrook River, Otis and West Branch Reservoirs, equivalent in cubic feet per second, records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks, Hartford Metropolitan District Commission, and Corps of Engineers.

01186400 Sandy Brook at Robertsville, Conn.

LOCATION.--Lat 41°58'42", long 73°02'44", Litchfield County, on right bank at downstream side of bridge on State Highway 8 at Robertsville, 0.7 mile upstream from mouth, 1.7 miles northwest of Riverton.

DRAINAGE AREA.--34.9 sq mi (revised).

PERIOD OF RECORD.--Water years, 1961-67, (occasional low-flow measurement). October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 561.76 ft above mean sea level.

AVERAGE DISCHARGE.--5 years, 74.1 cfs (28.61 inches per year).

EXTREMES.--Current year: Maximum discharge 1,120 cfs July 3 (gage height, 5.07 ft); minimum 4.2 cfs Sept. 12, 13 (gage height, 0.90 ft).

Period of record: Maximum discharge 1,350 cfs Apr. 23, 1969 (gage height, 5.55 ft); minimum 1.6 cfs July 28, 29, 1971 (gage height, 0.83 ft).

Flood of Aug. 19, 1955, reached a discharge of 10,100 cfs by contraction measurement 1 mile upstream (drainage area, 31.1 sq mi).

PEAK DISCHARGE.--(Base, 700 cfs):

DATE	TIME	G.HT	DISCHARGE
3-22	2000	4.44	826
4-20	1430	4.70	930
6-24	0600	4.65	830
6-30	1230	4.64	906
7-03	1900	5.07	1,120

REMARKS.--Records excellent except those for winter periods, which are good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	62	190	60	32	69	126	84	476	437	17	8.1
2	9.7	50	104	100	24	137	141	82	290	219	16	8.9
3	8.8	87	78	141	26	300	134	98	127	418	16	7.5
4	9.3	61	61	107	120	249	112	217	91	418	14	7.7
5	9.5	65	55	92	82	136	97	196	93	312	12	8.9
6	9.9	67	52	69	66	106	93	136	74	188	11	7.7
7	9.9	64	256	73	54	91	96	102	114	130	12	13
8	10	58	246	56	48	89	86	96	88	108	10	7.9
9	9.1	60	196	71	43	86	78	101	98	89	10	8.4
10	195	58	162	169	39	81	79	162	560	75	13	5.6
11	218	55	326	153	36	69	86	121	180	65	11	8.9
12	132	91	276	129	34	68	95	98	121	50	9.8	6.3
13	96	60	189	112	40	85	101	82	95	84	9.5	4.2
14	43	61	133	195	201	76	292	68	78	109	12	4.2
15	36	52	114	124	198	73	249	203	62	77	70	6.7
16	28	58	100	65	120	69	253	349	97	60	51	6.0
17	25	50	102	98	100	284	553	249	65	51	33	6.1
18	21	54	172	71	86	432	692	161	96	63	20	5.9
19	19	37	84	63	92	300	470	120	70	46	22	6.7
20	18	53	78	56	82	146	706	126	72	57	18	6.3
21	17	50	77	53	78	190	516	130	68	48	15	6.3
22	17	50	69	48	76	489	702	114	269	46	13	7.2
23	18	76	70	47	73	629	504	86	677	39	11	6.4
24	62	76	62	56	67	348	267	69	650	36	11	6.3
25	65	55	101	56	66	211	214	57	609	31	10	6.1
26	60	63	117	75	62	156	166	47	306	25	9.6	5.7
27	58	39	110	66	63	116	136	60	231	22	9.2	5.5
28	57	47	122	56	56	107	133	35	190	20	13	5.9
29	66	99	110	58	65	113	116	36	114	17	11	5.9
30	69	244	56	60	-------	170	89	30	465	16	11	6.3
31	66	-------	66	56	-------	111	-------	132	-------	15	9.6	-------
TOTAL	1,321.9	1,458	4,198	2,589	2,119	5,487	6,720	3,720	5,906	3,558	529.9	197.3
MEAN	42.6	48.6	135	83.5	73.1	177	224	120	197	115	17.1	6.58
MAX	218	244	326	195	201	629	706	349	650	418	70	13
MIN	8.8	36	52	36	24	68	78	30	56	15	9.2	4.2
CFSM	1.22	1.39	3.87	2.39	2.09	5.07	6.42	3.44	5.64	3.30	.49	.19
IN.	1.41	1.56	4.46	2.75	2.26	5.85	7.17	3.97	6.29	3.79	.56	.21

CAL YR 1971 TOTAL 29,040.1 MEAN 79.2 MAX 692 MIN 1.6 CFSM 2.21 IN 29.33
WTR YR 1972 TOTAL 37,770.1 MEAN 103 MAX 706 MIN 4.2 CFSM 2.96 IN 40.27

01186500 Still River at Robertsville, Conn.

LOCATION.--Lat 41°58'04", long 72°02'04", Litchfield County, on left bank 1,500 ft downstream from Sandy Brook, 1 mile southeast of Robertsville, 1 mile northwest of Riverton, and 1 mile upstream from mouth.

DRAINAGE AREA.--84.7 sq mi (revised).

PERIOD OF RECORD.--July 1948 to September 1967. October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 519.34 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--22 years, 164 cfs (26.29 inches per year).

EXTREMES.--Current year: Maximum discharge 2,280 cfs July 30 (gage height 6.18 ft); minimum 13 cfs Sept. 10,11 (gage height, 1.40 ft).
Period of record: Maximum discharge 44,000 cfs Aug. 19, 1955 (gage height, 16.48 ft from flood-marks), from rating curve extended above 5,600 cfs on basis of a slope-area measurement of peak flow; minimum 0.2 cfs Sept 14, 1957; minimum daily 0.3 cfs Sept. 14, 1957; minimum gage height 0.20 ft Aug. 8, 1955.

REMARKS.--Records excellent except those for winter periods, which are fair. Flow regulated by power plant, Mad River Detention and Sucker Brook Reservoirs, and Highland Lake, (see p. 64).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	96	341	181	109	166	597	235	1,120	1,080	65	61
2	93	113	219	201	97	298	342	214	165	580	61	29
3	31	135	163	314	93	913	561	236	306	766	62	22
4	50	130	123	295	201	403	321	473	240	1,300	65	20
5	55	112	117	269	191	288	290	415	390	812	62	54
6	65	93	100	198	190	268	260	279	272	609	38	42
7	47	130	439	188	192	214	278	227	575	336	62	41
8	64	148	514	179	115	232	227	236	283	262	80	35
9	23	114	343	192	109	216	199	402	337	234	64	17
10	240	135	336	427	95	177	223	165	417	192	57	14
11	301	95	428	182	90	136	260	295	474	163	31	31
12	267	90	448	356	81	159	267	228	336	163	28	55
13	162	68	337	293	216	291	456	173	262	213	26	39
14	114	73	267	428	537	207	418	156	203	273	86	52
15	98	96	266	292	337	190	490	520	180	192	351	61
16	75	95	341	190	278	192	671	725	166	167	167	43
17	60	130	328	175	195	455	681	491	161	133	107	37
18	72	94	224	200	156	866	646	356	135	119	96	53
19	69	88	161	199	152	619	705	275	217	116	68	83
20	66	86	191	169	165	409	1,290	309	291	127	55	47
21	68	67	171	161	142	337	1,190	505	224	113	67	63
22	74	91	170	137	136	693	686	312	109	100	47	55
23	93	71	191	126	132	1,430	706	237	1,070	83	43	34
24	86	77	196	186	120	915	646	198	1,360	89	43	52
25	163	57	308	269	126	674	687	161	993	78	42	68
26	196	86	233	221	124	355	306	130	791	69	22	50
27	181	60	249	162	119	320	366	98	550	66	91	42
28	131	119	265	166	133	288	313	96	377	61	108	37
29	116	201	265	186	124	509	267	88	287	40	76	56
30	95	536	223	88	------	365	212	112	1,360	36	61	24
31	84	------	187	122	------	241	------	110	------	96	95	------
TOTAL	3,159	3,390	8,181	6,664	4,611	12,446	14,512	8,748	14,760	8,556	2,226	1,294
MEAN	102	113	264	215	159	401	484	282	492	276	71.8	43.1
MAX	301	536	514	428	537	1,430	1,290	725	1,360	1,300	351	80
MIN	23	57	117	88	81	136	199	88	135	36	22	14
(†)	-4.6	-1.7	+7.8	-9.8	+1.3	+11.1	+7.2	+2.6	+0.2	-3.8	-9.5	-15.0
MEAN ‡	97.4	111	272	205	160	412	491	285	492	272	62.3	28.1
CFSM‡	1.15	1.31	3.21	2.42	1.89	4.86	5.80	3.36	5.81	3.21	0.74	0.33
IN‡	1.33	1.46	3.70	2.79	2.04	5.60	6.47	3.87	6.48	3.70	0.85	0.37

CAL YR 1971 TOTAL 58,800 MEAN 161 MAX 987 MIN 13 MEAN ‡ 162 CFSM ‡ 1.91 IN ‡ 25.95
WTR YR 1972 TOTAL 88,450 MEAN 242 MAX 1,430 MIN 14 MEAN ‡ 241 CFSM ‡ 2.85 IN ‡ 38.79

†Change in contents in Mad River Detention and Sucker Brook Reservoirs, and Highland Lake, equivalent in cubic feet per second. Contents of Mad River Detention and Sucker Brook Reservoirs furnished by Corps of Engineers.

‡Adjusted for change in contents.

01187300 Hubbard River near West Hartland, Conn.

LOCATION.--Lat 42°02'14", long 72°56'22", Hartford County, on left bank at Massachusetts-Connecticut State Line, 800 ft upstream from bridge on State Highway 20, one mile upstream from confluence with Valley Brook, and 2.6 miles northeast of West Hartland.

DRAINAGE AREA.--19.9 sq mi.

PERIOD OF RECORD.--January 1938 to September 1955, September 1956 to current year. Monthly discharge only for periods January 1938 to September 1955, October 1956 to September 1960, published in WSP 1721. Daily figures for the periods January 1938 to September 1955, September 1956 to September 1960, available upon request.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 594.62 ft above mean sea level.

AVERAGE DISCHARGE.--33 years, 37.5 cfs (25.59 inches per year).

EXTREMES.--Current year: Maximum discharge 1,480 cfs June 30 (gage height, 7.27 ft); minimum, 0.90 cfs Sept. 7, 8, and 9 (gage height, 0.14 ft).
Period of record: Maximum discharge 10,500 cfs Aug. 19, 1955 (gage height, 16.5 ft) from rating curve extended above 300 cfs on basis of contracted-opening measurement of peak flow; minimum daily, 0.2 cfs Sept. 10, 1953, August 16-21, 1957.

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-22	2200	5.16	628	6-24	0700	6.07	928
4-20	1400	6.40	1,060	6-30	1000	7.27	1,480
6-01	0400	5.10	610	7-03	1700	5.88	852
6-22	2130	5.20	640				

REMARKS.--Records good.

COOPERATION.--Gage-height record furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	12	76	44	18	33	81	95	355	213	4.1	1.4
2	5.1	21	52	54	15	75	100	95	102	92	3.5	1.3
3	4.8	26	38	82	15	130	82	60	61	260	3.4	1.4
4	4.3	23	31	56	57	107	69	142	44	285	3.2	1.4
5	4.1	19	24	50	65	74	60	104	67	107	2.8	1.2
6	4.4	16	27	42	35	59	57	72	53	77	2.5	1.1
7	5.5	34	132	46	24	53	55	59	77	97	2.9	1.0
8	6.7	34	140	40	22	54	50	61	56	45	6.3	.90
9	4.0	23	66	50	19	45	49	136	57	31	5.4	1.0
10	50	20	74	110	17	33	53	106	233	26	4.4	1.5
11	120	19	155	93	16	39	56	79	82	23	3.3	1.7
12	55	17	109	73	15	30	65	62	57	18	2.7	1.7
13	39	17	74	67	43	31	140	53	41	30	2.5	2.1
14	22	18	59	118	143	27	180	43	32	61	2.5	4.1
15	19	20	55	67	88	27	134	38	26	32	4.9	3.7
16	16	34	102	50	76	26	170	172	24	23	3.2	2.7
17	14	30	96	40	49	143	365	95	29	18	2.7	2.3
18	12	25	64	35	35	221	263	70	24	15	2.7	2.1
19	13	22	48	32	28	137	305	58	28	12	2.6	4.8
20	12	22	43	28	35	85	598	70	29	11	2.5	8.2
21	10	20	38	29	27	70	269	92	25	12	2.7	4.6
22	10	20	34	28	27	254	175	63	196	12	2.3	3.7
23	10	18	29	29	23	334	261	49	402	9.3	2.2	3.3
24	10	16	46	36	23	154	166	35	532	8.1	2.7	2.6
25	31	21	72	67	22	96	122	26	205	6.5	3.5	2.5
26	31	26	57	53	22	81	90	22	185	5.6	2.3	2.3
27	21	20	58	41	22	68	74	21	116	5.0	2.2	2.7
28	16	25	134	25	21	64	65	17	74	4.4	2.3	2.7
29	14	39	66	25	22	74	59	15	50	3.8	2.1	1.9
30	12	140	56	23	------	81	56	13	465	3.1	1.6	2.0
31	11	------	47	19	------	64	------	161	------	3.1	1.5	------
TOTAL	592.8	796	2,102	1,550	1,024	2,769	4,269	2,104	3,727	1,508.9	93.5	73.90
MEAN	19.1	26.5	67.8	50.0	35.3	89.3	142	67.9	124	48.7	3.02	2.46
MAX	120	140	155	118	143	334	598	172	532	285	6.3	8.2
MIN	4.0	12	24	19	15	26	49	13	24	3.1	1.5	.90
CFSM	.96	1.33	3.41	2.51	1.77	4.49	7.14	3.41	6.23	2.45	.15	.12
IN.	1.11	1.49	3.93	2.90	1.91	5.18	7.98	3.93	6.97	2.82	.17	.14

CAL YR 1971 TOTAL 15,050.20 MEAN 41.2 MAX 331 MIN .25 CFSM 2.07 IN 28.13
WTR YR 1972 TOTAL 20,610.10 MEAN 56.3 MAX 598 MIN .90 CFSM 2.83 IN 38.53

01187400 Valley Brook near West Hartland, Conn.

LOCATION.--Lat 42°02'03", long 72°55'49", Hartford County, on right bank just upstream from bridge on State Highway 20, a quarter of a mile south of Massachusetts-Connecticut State Line, 0.3 mile upstream from confluence with Hubbard River, and 2.2 miles northeast of West Hartland.

DRAINAGE AREA.--7.03 sq mi (revised).

PERIOD OF RECORD.--February 1940 to current year. Monthly discharge only, for the period February 1940 to September 1960, published in WSP 1721. Daily figures for this period available upon request.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 554.60 ft above mean sea level.

AVERAGE DISCHARGE.--32 years, 14.1 cfs (27.24 inches per year).

EXTREMES.--Current year: Maximum discharge 776 cfs June 30 (gage height, 3.90 ft), minimum 0.20 cfs Sept 11, 12 (gage height, 0.03 ft).

Period of record: Maximum discharge 5,400 cfs Aug. 19, 1955 (gage height, 11.1 ft), from rating curve extended above 95 cfs on basis of computation of peak flow over sharp-crested weir; minimum daily, 0.10 cfs Sept. 24, 1964 (gage height, 0.01 ft).

PEAK DISCHARGE--(Base, 200 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
2-13	2100	2.20	243	6-22	2100	2.19	241
3-22	2000	2.25	256	6-24	0600	2.75	390
4-20	1300	2.20	243	6-30	2230	3.90	776
6-01	0330	2.08	214	7-03	1700	2.85	419

REMARKS.--Records excellent.

COOPERATION.--Gage height record furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	5.0	26	14	8.0	14	34	21	109	71	4.8	.82
2	2.2	7.8	17	19	8.0	28	42	20	32	51	3.7	.68
3	2.2	9.5	15	23	8.0	62	33	22	21	174	3.7	.82
4	1.9	8.3	14	17	26	39	28	47	17	93	3.2	.96
5	1.9	6.6	11	18	17	24	25	32	24	55	2.8	.82
6	2.6	6.1	11	13	13	19	25	23	17	43	2.6	.68
7	3.0	12	51	14	8.9	18	26	20	26	32	2.8	.55
8	2.9	11	47	12	11	20	22	23	19	27	6.4	.68
9	2.6	8.3	26	16	9.5	16	21	47	21	23	4.0	.68
10	40	7.9	28	32	8.3	17	22	30	74	20	3.2	.68
11	30	7.2	64	27	8.0	14	24	24	28	17	2.6	.30
12	14	6.6	42	24	7.8	14	26	20	21	14	2.4	.30
13	11	6.6	30	23	44	14	56	18	18	21	2.2	.42
14	7.9	6.4	25	41	65	14	65	16	16	24	2.2	2.6
15	11	7.2	24	24	29	14	49	57	15	16	4.0	2.8
16	7.5	14	47	17	25	14	54	53	14	13	2.6	1.7
17	5.0	11	36	14	17	75	107	32	15	11	2.2	1.5
18	4.5	8.9	26	13	15	98	72	26	13	9.8	2.4	1.9
19	4.2	8.0	20	14	11	47	72	21	15	9.2	4.2	2.6
20	4.0	7.8	20	12	16	30	143	27	15	8.3	2.6	2.2
21	3.7	7.5	18	12	13	25	76	40	13	8.3	1.7	.96
22	4.0	7.5	15	11	12	107	55	25	76	7.2	1.5	.68
23	4.0	6.9	14	11	12	105	75	19	150	6.1	1.5	.68
24	4.2	6.4	24	14	11	55	55	16	168	5.3	2.2	.68
25	13	6.1	28	23	10	40	43	14	72	4.5	3.2	.55
26	11	9.2	21	14	10	32	33	12	65	4.0	1.9	.42
27	7.8	7.9	20	12	9.8	28	28	11	47	3.7	1.7	.68
28	6.4	12	25	11	9.9	26	26	10	32	4.5	2.4	.82
29	5.9	19	22	10	11	30	24	9.5	25	4.8	1.7	.55
30	5.3	64	19	10	------	35	22	8.6	233	4.2	1.3	.68
31	4.8	------	16	8.9	------	28	------	24	------	4.5	.82	------
TOTAL	230.5	312.5	802	521.9	454.1	1,091	1,383	768.1	1,411	789.4	84.52	30.39
MEAN	7.44	10.4	25.9	16.8	15.7	35.2	46.1	24.8	47.0	25.5	2.73	1.01
MAX	40	64	64	41	65	107	143	57	233	174	6.4	2.8
MIN	1.9	5.0	11	8.9	7.8	14	21	8.6	13	3.7	.82	.30
CFSM	1.06	1.48	3.68	2.39	2.23	5.01	6.56	3.53	6.69	3.63	.39	.14
IN.	1.22	1.65	4.24	2.76	2.40	5.77	7.32	4.06	7.47	4.18	.45	.16

CAL YR 1971 TOTAL 5,236.09 MEAN 14.3 MAX 112 MIN .20 CFSM 2.03 IN 27.71
WTR YR 1972 TOTAL 7,878.41 MEAN 21.5 MAX 233 MIN .30 CFSM 3.06 IN 41.69

01187800 Nepaug River near Nepaug, Conn.

LOCATION.--Lat 41°49'14", long 72°58'14", Litchfield County, on left bank beside State Highway 25, a quarter of a mile upstream from Nepaug Reservoir, 1.75 miles southeast of Nepaug, and 2.4 miles west of Collinsville.

DRAINAGE AREA.--33.5 sq mi (revised).

PERIOD OF RECORD.--January 1918 to September 1955, October 1957 to current year. Monthly discharge only, for periods January 1918 to September 1955, October 1957 to September 1960, published in WSP 1721. Daily figures for the periods January 1921 to September 1955, September 1957 to September 1960, available upon request.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 505.54 ft above mean sea level.

AVERAGE DISCHARGE.--52 years (1918-55, 1957-72) 39.2 cfs (22.65 inches per year).

EXTREMES.--Current year: Maximum discharge 712 cfs Mar. 22 and June 30 (gage height, 4.23 ft); minimum, 7.0 cfs Sept. 12, 13 (gage height, 0.20 ft).

Period of record: Maximum discharge, about 10,000 cfs Aug. 19, 1955, estimated from a comparison of unit runoff of nearby streams; minimum daily, 0.2 cfs Aug. 26, 27, 1935.

PEAK DISCHARGE.--(Base, 400 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0100	4.19	696
3-22	2300	4.23	712
6-30	1700	4.23	712

REMARKS.--Records good.

COOPERATION.--Gage height record furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	27	116	43	27	57	92	52	273	280	23	13
2	13	41	55	55	25	98	113	50	108	119	16	12
3	13	51	47	103	27	270	102	56	64	103	21	13
4	13	44	43	70	120	193	84	143	55	153	76	11
5	12	33	43	75	74	118	76	106	150	96	29	10
6	11	29	41	61	47	82	78	75	84	87	21	9.5
7	11	44	174	53	39	78	82	62	93	76	17	9.5
8	11	47	213	43	33	102	66	56	70	84	45	9.0
9	10	36	110	45	32	84	62	65	63	96	29	8.5
10	113	33	113	154	29	67	62	76	177	62	23	8.5
11	190	31	160	118	26	57	67	67	92	52	18	8.0
12	68	29	120	100	25	59	73	56	59	45	16	7.5
13	42	29	91	83	103	75	119	48	51	74	14	9.5
14	34	26	75	103	354	73	146	44	47	92	19	17
15	31	26	76	59	128	56	98	189	42	55	178	13
16	28	34	98	44	102	64	84	184	40	44	57	10
17	25	32	83	42	66	267	136	105	47	38	33	9.5
18	23	29	67	40	57	392	98	84	40	33	28	8.5
19	21	27	57	44	34	203	86	76	76	31	25	47
20	21	29	52	41	48	127	185	102	76	29	21	47
21	20	28	51	41	54	111	188	139	53	29	18	23
22	19	28	51	40	50	319	110	86	176	29	16	18
23	19	25	46	40	41	416	170	66	243	23	14	15
24	23	22	61	60	41	186	166	55	311	21	13	13
25	67	21	82	79	40	130	114	46	151	18	14	12
26	54	33	63	58	35	110	86	40	135	16	13	12
27	38	31	59	45	38	98	75	38	115	14	18	12
28	32	83	59	39	38	86	67	34	90	14	73	11
29	28	100	53	35	42	96	61	31	90	13	30	10
30	25	260	52	33	------	110	57	29	403	12	20	15
31	23	------	54	31	------	92	------	67	------	13	16	------
TOTAL	1,053	1,308	2,465	1,877	1,779	4,236	3,003	2,327	3,474	1,851	954	422.0
MEAN	34.0	43.6	79.5	60.5	61.3	137	100	75.1	116	59.7	30.8	14.1
MAX	190	260	213	154	354	416	188	189	403	280	178	47
MIN	10	21	41	31	25	56	57	29	40	12	13	7.5
CFSM	1.45	1.86	3.38	2.57	2.61	5.83	4.26	3.20	4.94	2.54	1.31	.60
IN.	1.67	2.07	3.90	2.97	2.82	6.71	4.75	3.68	5.50	2.93	1.51	.67

CAL YR 1971 TOTAL 16,518.6 MEAN 45.3 MAX 277 MIN 3.0 CFSM 1.93 IN 26.15
WTR YR 1972 TOTAL 24,749.0 MEAN 67.6 MAX 416 MIN 7.5 CFSM 2.88 IN 39.18

01187850 Clear Brook near Collinsville, Conn.

LOCATION.--Lat 41°47'44", long 72°57'06", Hartford County, on right bank 200 ft upstream from Nepaug Reservoir beside Clear Brook Road, 1.8 miles southwest of Collinsville.

DRAINAGE AREA.--0.63 sq mi (revised).

PERIOD OF RECORD.--January 1917 to current year. Monthly discharge only, for the period January 1917 to September 1960, published in WSP 1721. Daily figures for the period January 1921 to September 1960 available upon request.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 491.21 ft above mean sea level.

AVERAGE DISCHARGE.--55 years, 1.63 cfs.

EXTREMES.--Current year: Maximum discharge 17 cfs June 30 (gage height, 1.75 ft); minimum daily 1.5 cfs, many days in Oct. and Nov.

Period of record: Maximum discharge 56.5 cfs Aug. 19, 1955 (gage height, 2.41 ft), from rating curve extended above 6 cfs on basis of theoretical weir rating; minimum daily 0.19 cfs Feb. 22, 23, 1950.

PEAK DISCHARGE.--(Base, 6.8 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-10	1230	1.41	10	6-30	0730	1.75	17
3-03	0830	1.23	7.1	7-13	1200	1.46	11
5-15	0200	1.42	10	8-03	1900	1.32	8.5
5-31	2200	1.60	14	8-09	1300	1.27	7.7
6-04	2330	1.25	7.4	8-15	0130	1.43	10
6-19	1300	1.33	8.7	8-25	1900	1.26	7.6
6-28	1730	1.32	8.5				

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.6	2.0	1.9	2.3	2.5	3.3	3.2	5.1	4.8	3.3	2.2
2	1.5	1.8	1.8	2.3	2.3	2.5	3.5	3.3	3.7	4.4	3.1	2.2
3	1.5	1.7	1.8	2.3	2.3	5.2	3.4	3.8	3.5	4.4	3.8	2.1
4	1.5	1.6	1.8	2.5	2.9	3.2	3.4	4.0	3.8	4.2	3.2	2.1
5	1.5	1.6	1.8	2.5	2.5	3.0	3.3	3.5	3.7	4.2	3.0	2.1
6	1.5	1.6	1.9	2.3	2.5	3.0	3.3	3.4	3.4	4.0	3.0	2.0
7	1.5	1.9	2.6	2.3	2.5	3.0	3.2	3.3	3.4	3.9	3.1	2.0
8	1.5	1.6	2.3	2.3	2.4	3.2	3.2	3.3	3.3	4.0	3.2	2.0
9	1.5	1.6	2.1	2.6	2.3	3.0	3.1	3.5	3.6	3.8	3.3	2.0
10	3.5	1.6	2.3	2.8	2.3	3.0	3.1	3.3	4.0	3.7	2.9	1.9
11	2.1	1.6	2.6	2.7	2.3	3.0	3.2	3.2	3.4	3.8	2.8	1.9
12	1.8	1.6	2.2	2.7	2.2	3.0	3.1	3.2	3.3	3.7	2.8	1.9
13	1.6	1.6	2.1	2.7	3.2	3.0	3.8	3.1	3.4	4.7	2.7	2.2
14	1.6	1.5	2.0	2.7	3.0	3.0	3.4	3.2	3.3	3.9	3.5	2.1
15	1.6	1.6	2.2	2.5	2.9	3.0	3.3	4.8	3.2	3.8	3.6	1.9
16	1.6	1.6	2.2	2.4	2.7	3.0	3.4	4.2	3.4	3.7	2.7	1.9
17	1.5	1.5	2.1	2.4	2.5	3.0	3.4	3.6	3.4	3.5	2.7	1.9
18	1.5	1.5	2.0	2.4	2.3	3.1	3.2	3.6	3.3	3.5	2.6	1.9
19	1.5	1.5	1.9	2.5	2.3	3.1	3.1	3.5	4.1	3.5	2.5	2.3
20	1.5	1.5	1.9	2.4	2.3	3.1	4.2	4.2	3.4	3.5	2.5	1.9
21	1.5	1.5	1.9	2.5	2.3	3.1	3.5	3.7	3.5	3.5	2.4	1.8
22	1.5	1.5	1.9	2.4	2.3	3.1	3.6	3.5	4.6	3.3	2.4	1.8
23	1.5	1.5	1.8	2.5	2.3	3.1	3.8	3.4	4.5	3.3	2.4	1.8
24	1.8	1.5	2.2	2.6	2.3	3.1	3.9	3.4	4.7	3.3	2.5	1.7
25	1.9	1.6	2.0	2.6	2.3	3.1	3.5	3.3	4.1	3.2	2.7	1.7
26	1.7	1.5	2.0	2.4	2.4	3.1	3.4	3.3	4.1	3.2	2.4	1.7
27	1.6	1.6	1.9	2.3	2.4	3.1	3.3	3.2	3.8	3.3	2.6	1.7
28	1.6	2.1	1.9	2.4	2.5	3.1	3.3	3.2	4.3	3.3	2.3	1.6
29	1.6	2.5	1.9	2.4	2.4	3.3	3.2	3.1	3.9	3.2	2.2	1.7
30	1.5	2.4	2.1	2.4	------	3.3	3.2	3.1	7.9	3.2	2.2	1.9
31	1.5	------	2.0	2.4	------	3.3	------	4.9	------	3.7	2.2	------
TOTAL	51.0	49.8	63.2	76.1	71.2	96.6	101.6	109.3	117.1	115.5	86.6	57.9
MEAN	1.65	1.66	2.04	2.45	2.46	3.12	3.39	3.53	3.90	3.73	2.79	1.93
MAX	3.5	2.5	2.6	2.8	3.2	5.2	4.2	4.9	7.9	4.8	3.8	2.3
MIN	1.5	1.5	1.8	1.9	2.2	2.5	3.1	3.1	3.2	3.2	2.2	1.6

CAL YR 1971 TOTAL 592.42 MEAN 1.62 MAX 3.5 MIN .69
WTR YR 1972 TOTAL 995.80 MEAN 2.72 MAX 7.9 MIN 1.5

01187980 Farmington River at Collinsville, Conn.

LOCATION.--Lat 41°47'57", long 72°55'33", Litchfield County, on left bank at abandoned hydroelectric plant three quarters of a mile south of Collinsville, and at mile 39.8.

DRAINAGE AREA.--360 sq mi (revised).

PERIOD OF RECORD.--November 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 245.22 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage and diversion).--9 years, 625 cfs (23.56 inches per year).

EXTREMES.--Current year: Maximum discharge, 6560 cfs June 30 (gage height, 10.80 ft); minimum daily 150 cfs Aug. 21.

Period of record: Maximum discharge, 12,200 cfs August 5, 1969 (gage height, 13.79 ft); minimum, 4.7 cfs August 18, 1966 (gage height, 2.06 ft); minimum daily, 5.6 cfs July 11, 1965.

Flood of August 19, 1955 reached a stage of 35.6 ft from floodmark (discharge, 140,000 cfs by slope-area measurement half a mile downstream).

REMARKS.--Records good. Flow regulated by Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River Detention Reservoir, Sucker Brook Detention Reservoir, Highland Lake, Barkhamsted, East Branch and Nepaug Reservoirs (see p. 44), and by diversion for municipal supply from Barkhamsted and Nepaug Reservoirs.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	609	430	782	582	374	832	728	1,800	2,200	3,420	238	519
2	601	526	607	632	362	853	1,030	1,500	1,750	2,100	216	507
3	580	576	500	734	363	1,760	909	1,100	1,440	2,330	250	498
4	580	433	439	735	790	1,290	795	1,000	1,550	3,370	287	491
5	603	391	371	757	647	736	758	1,400	2,070	2,850	212	494
6	583	366	372	553	530	740	689	1,300	1,620	2,750	200	503
7	570	400	801	561	466	721	614	1,400	1,610	2,840	198	504
8	562	459	1,290	477	417	811	775	1,500	1,410	3,040	303	499
9	553	419	760	442	411	689	726	1,300	1,270	3,020	240	491
10	933	388	728	782	357	661	731	1,250	2,470	2,790	220	476
11	1,190	370	989	766	329	579	698	1,250	1,690	2,580	190	470
12	803	340	975	811	306	588	725	1,250	1,380	2,490	173	494
13	699	310	742	796	633	738	1,060	1,200	1,340	2,100	156	509
14	707	290	726	840	1,710	721	1,620	1,000	1,130	1,720	350	515
15	530	280	685	728	964	711	1,410	780	1,060	1,330	802	455
16	429	310	739	538	736	670	1,140	1,300	799	1,030	379	478
17	404	330	811	525	684	1,380	2,130	1,900	652	908	254	497
18	371	310	739	566	595	2,070	2,590	2,200	690	805	216	503
19	286	300	581	567	584	2,500	2,440	1,700	942	449	210	585
20	282	290	587	551	554	1,520	3,950	1,400	1,120	412	163	554
21	352	280	565	525	520	1,190	2,930	1,200	840	377	150	524
22	366	275	576	507	506	2,000	2,230	1,000	1,450	328	250	522
23	471	270	605	483	597	3,790	2,770	900	2,300	329	475	509
24	481	265	706	569	817	2,500	2,760	800	4,190	316	486	496
25	600	260	735	685	734	1,750	2,730	700	2,640	283	497	503
26	595	320	665	686	720	1,350	3,000	540	2,350	257	482	514
27	483	310	645	573	773	1,010	2,770	479	2,290	215	485	533
28	425	355	753	524	779	768	2,600	435	2,370	192	619	507
29	431	488	775	483	804	761	2,300	394	2,080	175	541	506
30	425	1,390	705	427	------	935	2,100	361	3,910	175	518	516
31	359	------	670	386	------	823	------	583	------	168	532	------
TOTAL	16,863	11,729	21,622	18,791	18,062	37,447	51,708	34,922	52,613	45,149	10,292	15,172
MEAN	544	391	697	606	623	1,208	1,724	1,127	1,754	1,456	332	506
MAX	1,190	1,390	1,290	840	1,710	3,790	3,950	2,200	4,190	3,420	802	585
MIN	282	260	371	386	306	579	614	361	652	168	150	455
(†)	-154	+89	+488	+203	+65	+366	+259	+116	+265	-186	-87	-376
MEAN ‡	390	480	1,185	809	688	1,574	1,983	1,243	2,019	1,270	245	130
CFSM ‡	1.08	1.33	3.29	2.24	1.91	4.37	5.51	3.45	5.61	3.53	0.68	0.36
IN ‡	1.24	1.48	3.73	2.58	2.06	5.04	6.15	3.98	6.26	4.07	0.78	0.40

CAL YR 1971 TOTAL 191,253 MEAN 524 MAX 1,800 MIN 77 MEAN ‡ 635 CFSM ‡ 1.76 IN ‡ 24.16
WTR YR 1972 TOTAL 334,370 MEAN 914 MAX 4,190 MIN 150 MEAN ‡ 1,002 CFSM ‡ 2.78 IN ‡ 37.84

† Change in contents in Otis Reservoir, Colebrook River Lake, West Branch Reservoir, Mad River Detention Reservoir, Sucker Brook Detention Reservoir, Highland Lake, Barkhamsted, East Branch and Nepaug Reservoirs, and diversion from Barkhamsted and Nepaug Reservoirs, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, Union Pin Company, and Massachusetts Department of Natural Resources, Division of Forests and Parks.

‡ Adjusted for change in contents and diversion.

01188000 Burlington Brook near Burlington, Conn.

LOCATION.--Lat 41°47'10", long 72°57'59", Hartford County, on left bank 1.2 miles north of Burlington, 3 miles upstream from mouth, and 3 miles southwest of Collinsville.

DRAINAGE AREA.--4.13 sq mi (revised).

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 714.00 ft above mean sea level.

AVERAGE DISCHARGE.--41 years, 7.91 cfs (26.01 inches per year).

EXTREMES.--Current year: Maximum discharge, 306 cfs June 30 (gage height, 6.27 ft); minimum, 1.7 cfs Sept. 11, 12, 13 (gage height 1.70 ft).

Period of record: Maximum discharge, 1,690 cfs Aug. 19, 1955 (gage height, 9.22 ft), from rating curve extended above 320 cfs on basis of computation of flow through orifice and over weir and abutment at 676 cfs and 1,690 cfs; minimum, 0.12 cfs June 22, 1965.

PEAK DISCHARGE.--(Base, 140 cfs):

DATE	TIME	G.HT	DISCHARGE
2-13	1900	6.08	275
3-22	1730	5.37	181
6-01	0430	5.20	162
6-30	1200	6.27	306

REMARKS.--Records excellent. Occasional regulation at low flow. Flow records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	6.6	19	8.0	5.0	13	19	8.5	75	33	7.8	2.5
2	4.0	12	11	14	4.9	25	16	9.7	16	18	4.4	2.5
3	4.0	11	9.0	17	5.5	77	14	15	11	16	5.2	2.6
4	3.7	8.5	8.0	12	36	37	12	28	9.7	20	11	2.4
5	3.6	6.4	6.8	13	13	18	13	16	16	14	4.6	2.2
6	3.7	5.9	8.1	9.5	8.2	12	13	11	10	13	3.8	2.2
7	3.8	12	48	8.2	7.1	11	12	10	10	11	3.8	2.0
8	3.6	8.5	39	7.4	6.7	21	10	9.5	8.7	10	6.1	2.0
9	3.5	6.4	18	12	6.0	15	9.9	12	8.2	12	7.6	2.0
10	48	6.3	21	33	5.8	9.2	9.5	12	23	8.7	6.0	1.9
11	27	5.9	27	19	5.4	8.5	11	9.9	10	7.7	4.0	1.9
12	11	5.5	17	16	5.4	12	10	8.7	7.7	6.8	3.6	1.9
13	7.7	5.6	14	14	52	15	21	7.7	7.1	18	3.4	3.0
14	6.8	4.8	11	16	40	12	19	7.4	6.8	14	4.8	3.4
15	6.3	5.4	13	10	20	11	13	39	6.4	8.4	24	2.8
16	5.8	7.0	18	6.7	15	11	12	31	6.6	7.0	6.7	2.5
17	5.3	5.9	13	6.3	8.5	66	17	15	10	6.3	4.7	2.2
18	4.9	5.3	10	6.6	7.7	56	11	13	7.4	5.8	4.5	2.0
19	4.7	5.2	8.2	7.4	6.3	26	10	13	18	5.4	4.0	5.0
20	4.4	5.2	8.4	7.0	8.7	18	32	25	12	5.6	3.5	3.3
21	4.4	4.9	8.7	7.3	8.0	19	21	22	9.4	5.8	3.2	2.7
22	4.4	5.0	7.9	7.3	7.9	79	17	13	39	4.9	3.7	2.6
23	4.5	4.5	6.7	7.4	6.7	51	24	10	37	4.3	3.0	2.4
24	7.0	4.1	12	12	6.8	26	26	8.5	44	6.3	3.0	2.3
25	20	6.1	12	13	7.0	20	15	7.7	21	4.3	3.8	2.4
26	11	6.4	11	8.8	6.8	18	12	7.0	20	3.8	4.8	2.3
27	7.7	6.0	10	6.6	6.7	15	11	6.6	13	3.6	3.5	2.4
28	6.7	21	9.9	6.1	6.8	14	10	6.0	16	3.5	4.8	2.1
29	6.0	20	8.2	6.0	8.0	16	9.5	5.4	19	3.3	3.5	2.0
30	5.5	53	9.5	5.8	------	17	8.7	5.3	104	3.2	3.0	3.0
31	5.5	------	11	5.4	------	15	------	13	------	4.0	2.6	------
TOTAL	248.7	270.2	434.4	320.8	331.9	763.7	434.6	405.9	602.0	287.7	162.4	76.5
MEAN	8.02	9.01	14.0	10.6	11.4	24.6	14.5	13.1	20.1	9.28	5.24	2.48
MAX	48	53	48	33	52	79	32	39	104	33	24	5.0
MIN	3.5	4.1	6.7	5.4	4.9	8.5	8.7	5.3	6.4	3.2	2.6	1.9
CFSM	1.94	2.18	3.39	2.57	2.76	5.96	3.51	3.17	4.87	2.25	1.27	.60
IN.	2.24	2.43	3.91	2.96	2.99	6.88	3.91	3.66	5.42	2.59	1.46	.67

CAL YR 1971 TOTAL 3,295.9 MEAN 9.03 MAX 91 MIN 1.1 CFSM 2.19 IN 29.69
WTR YR 1972 TOTAL 4,344.8 MEAN 11.9 MAX 104 MIN 1.9 CFSM 2.88 IN 39.13

01189000 Pequabuck River at Forestville, Conn.

LOCATION.--Lat 41°40'23", long 72°54'04", Hartford County, on left bank 500 ft upstream from bridge on Central Street, a quarter of a mile downstream from Copper Mine Brook, and 6.5 miles upstream from mouth.

DRAINAGE AREA.--45.4 sq mi (revised).

PERIOD OF RECORD.--July 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.72 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage and diversion).--31 years, 84.0 cfs (25.12 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,880 cfs June 30 (gage height, 4.97 ft); minimum 13 cfs Oct. 9.
Period of record: Maximum discharge, 11,700 cfs Aug. 19, 1955 (gage height, 13.22 ft from high-water mark in gage house), from rating curve extended above 2,100 cfs on basis of slope-area measurement at gage heights, 7.3 and 13.22 ft; minimum 6.5 cfs Sept. 21, 22, 1941 (gage height, 0.64 ft).
Flood of September 1938 reached a stage of about 7.3 ft from floodmarks (discharge 3,800 cfs on basis of slope-area measurement of peak flow and computation of peak flow over dam).

PEAK DISCHARGE.--(Base, 800 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
2-04	0100	3.67	1,160	3-22	1800	3.38	1,020
2-13	1900	4.32	1,490	6-01	0100	3.56	1,110
3-03	0400	4.26	1,460	6-30	0800	4.97	1,880
3-17	1400	3.05	855				

REMARKS.--Records good. Flow regulated by Whigville Reservoir (see p. 64) and mills upstream. Diversion for municipal supply of city of New Britain from Whigville Reservoir and Copper Mine Brook.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	41	178	84	45	136	119	86	686	372	57	24
2	25	61	114	129	43	201	128	93	195	196	41	23
3	24	63	93	152	87	1,100	115	169	124	179	38	23
4	23	56	82	126	439	433	116	273	105	222	40	22
5	23	63	70	140	121	218	114	163	120	175	33	22
6	24	37	107	102	85	153	113	117	92	146	32	22
7	22	74	364	94	84	150	106	101	115	117	43	22
8	21	58	295	85	66	230	95	100	82	102	51	22
9	19	44	173	105	66	164	91	134	106	91	36	21
10	298	40	159	229	63	128	87	118	235	82	32	20
11	178	39	180	164	56	111	92	97	109	76	31	21
12	80	37	146	142	52	216	96	89	85	72	29	21
13	50	34	124	123	472	199	156	77	74	190	29	39
14	40	32	105	140	391	156	143	74	71	133	42	28
15	37	40	124	108	165	141	107	331	68	89	66	24
16	34	45	134	85	125	140	108	309	76	74	36	22
17	30	37	110	91	99	720	127	158	138	71	32	20
18	30	33	99	84	90	652	95	122	85	65	32	21
19	28	33	80	74	91	329	87	109	264	62	31	33
20	27	34	77	72	95	220	223	186	147	61	28	24
21	25	33	81	75	92	196	174	161	115	59	28	23
22	24	35	74	69	83	586	142	117	305	54	27	23
23	23	34	62	69	73	573	194	95	350	48	27	21
24	45	28	108	91	79	286	206	83	412	53	35	20
25	80	37	102	96	74	206	144	76	225	49	29	21
26	42	44	92	74	74	177	116	68	222	46	27	21
27	34	43	85	61	72	153	105	63	196	42	27	22
28	30	127	81	59	77	138	96	59	141	40	26	21
29	29	196	73	57	93	135	90	55	125	37	26	22
30	26	361	102	49	------	132	84	55	935	34	25	28
31	25	------	121	46	------	125	------	226	------	45	25	------
TOTAL	1,422	1,819	3,795	3,075	3,452	8,500	3,659	3,964	6,003	3,082	1,061	696
MEAN	45.9	60.6	122	99.2	119	274	122	128	200	99.4	34.2	23.2
MAX	298	361	364	229	472	1,100	223	331	935	372	66	39
MIN	19	28	62	46	43	111	84	55	68	34	25	20
(†)	+19.7	+10.9	+8.5	+8.4	+4.4	+4.0	+5.9	+5.9	+6.2	+5.9	+3.6	+2.1
MEAN ‡	65.6	71.5	130	108	123	278	128	134	206	105	37.8	25.3
CFSM ‡	1.44	1.57	2.86	2.38	2.71	6.12	2.81	2.95	4.53	2.31	0.83	0.56
IN ‡	1.66	1.75	3.30	2.74	2.92	7.06	3.14	3.40	5.05	2.66	0.96	0.62

CAL YR 1971 TOTAL 25,569 MEAN 70.1 MAX 450 MIN 17 MEAN ‡ 82.4 CFSM ‡ 1.81 IN ‡ 24.57
WTR YR 1972 TOTAL 40,528 MEAN 111 MAX 1,100 MIN 19 MEAN ‡ 118 CFSM ‡ 2.60 IN ‡ 35.39

†Change in contents in Whigville Reservoir, diversion for municipal supply of city of New Britain from Whigville Reservoir, and at Whites Bridge pumping plant, equivalent in cubic feet per second; records furnished by city of New Britain.

‡Adjusted for diversion and change in contents.

01189390 East Branch Salmon Brook at Granby, Conn.

LOCATION.--Lat 41°57'15", long 72°46'48", Hartford County, on right bank at downstream side of bridge on State Highway 20, 0.5 mile east of Granby, 1.0 mile upstream from West Branch Salmon Brook, and 1.8 miles downstream from Manitook Lake.

DRAINAGE AREA.--33.3 sq mi (revised).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.74 ft above mean sea level.

AVERAGE DISCHARGE.--9 years, 57.8 cfs (23.57 inches per year).

EXTREMES.--Current year: Maximum discharge 1,380 cfs June 30 (gage height, 7.78 ft); minimum 9.4 cfs Oct. 5,6,8, (gage height, 0.98 ft).

Period of record: Maximum discharge 1,400 cfs Apr. 23, 1969 (gage height, 7.85 ft); minimum 4.0 cfs Sept. 4,5, 1968; minimum gage height, 0.68 ft July 16, 1965.

PEAK DISCHARGE.--(Base, 300 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-30	0500	3.31	352	6-01	0830	4.96	675
3-03	1700	3.98	460	6-05	0430	3.28	309
3-18	0630	4.86	650	6-10	0830	3.42	336
3-22	2300	5.91	912	6-24	1200	5.28	755
4-20	2000	4.03	458	6-30	1530	7.78	1,380
5-16	0700	3.31	315	7-04	0030	4.83	642

REMARKS.--Records good except for winter period which is fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	27	120	55	43	75	120	84	456	456	47	19
2	15	31	86	63	40	117	137	83	206	263	41	18
3	13	35	67	84	44	310	128	89	134	247	39	18
4	10	34	59	71	164	244	120	173	115	380	41	19
5	9.7	29	49	75	110	162	116	149	232	218	37	19
6	9.6	28	46	68	90	119	119	116	153	182	35	17
7	11	37	98	60	74	106	119	100	167	149	34	16
8	11	40	124	54	64	132	105	97	128	124	45	17
9	10	32	94	52	60	119	101	162	121	120	40	19
10	86	28	95	108	57	97	96	142	268	108	38	18
11	92	26	155	92	56	85	95	115	155	100	33	17
12	55	24	137	86	50	96	103	99	117	89	31	20
13	42	24	106	95	200	114	144	88	105	113	29	19
14	33	23	88	124	170	110	193	80	98	128	28	24
15	27	26	87	91	150	88	146	213	88	103	45	21
16	26	43	112	85	130	92	125	246	85	88	34	19
17	27	41	107	77	96	380	158	158	97	80	31	18
18	21	34	87	56	79	597	135	131	87	73	30	17
19	18	30	68	54	68	349	117	116	98	69	31	24
20	17	32	64	53	70	215	226	150	101	67	27	24
21	17	35	62	56	84	173	247	204	91	65	24	22
22	17	33	59	53	66	366	160	136	134	63	22	21
23	18	29	49	55	68	539	223	108	290	60	23	18
24	22	25	69	73	72	280	195	94	562	63	23	17
25	48	26	92	96	69	199	153	83	254	94	25	17
26	46	32	77	79	68	166	128	76	226	50	22	17
27	36	32	76	58	67	146	114	71	185	47	20	17
28	30	57	82	52	70	133	106	66	147	45	26	16
29	27	73	75	51	72	133	97	60	124	42	23	15
30	28	252	69	47	------	147	90	57	703	41	21	18
31	30	------	68	43	------	132	------	88	------	41	19	------
TOTAL	869.3	1,218	2,635	2,162	2,449	6,010	4,122	3,632	5,705	3,712	964	561
MEAN	28.0	40.6	85.0	69.7	84.4	194	137	117	190	120	31.1	18.7
MAX	92	252	155	124	200	597	247	246	703	456	47	24
MIN	9.6	23	46	43	40	75	90	57	85	41	19	15
CFSM	.84	1.22	2.55	2.09	2.53	5.83	4.11	3.51	5.71	3.60	.93	.56
IN.	.97	1.36	2.94	2.42	2.74	6.71	4.60	4.06	6.37	4.15	1.08	.63

CAL YR 1971 TOTAL 20,239.9 MEAN 55.5 MAX 330 MIN 8.4 CFSM 1.67 IN 22.61
WTR YR 1972 TOTAL 34,039.3 MEAN 93.0 MAX 703 MIN 9.6 CFSM 2.79 IN 38.03

01189995 Farmington River at Tariffville, Conn.

LOCATION.--Lat 41°54'30", long 72°45'40", Hartford County, on right bank at Tariffville, behind house at 20 Tunxis Road, 0.3 mile downstream from bridge on State Highway 189 and 5.5 miles upstream from gage at Rainbow.

DRAINAGE AREA.--571 sq mi.

PERIOD OF RECORD.--Jan. 1913 to August 1928 furnished by Farmington River Power Co., August 1928 to September 1939. October 1971 to current year.

GAGE.--Staff on forebay of Hartford Electric Light Co. dam Jan. 1913 to Aug. 1928. Water-stage recorder after Aug. 1928. Datum of gage is 130.21 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 6,060 cfs July 1 (gage height, 6.91 ft); minimum daily 456 cfs Nov. 25.
Period of record: Maximum discharge 69,200 cfs Aug. 19, 1955 (gage height, 21.20 ft from floodmarks), by computation of flow over dam half a mile below gage; minimum, probably less than 30 cfs Mar. 1, 1938 (river level below intake); minimum daily discharge about 175 cfs Sept. 22, 1930.

REMARKS.--Records excellent. Flow regulated by Otis and West Branch Reservoirs, Mad River Detention Reservoir, Sucker Brook Reservoir, Colebrook River Lake, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs (see p. 66), and by diversion for municipal supply from Barkhamsted, Nepaug and Whigville Reservoirs, and Whites Bridge pumping station. Records of water quality are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	622	580	2,500	1,100	775	1,450	1,800	2,600	3,760	6,000	668	720
2	816	560	1,720	1,100	760	1,910	1,700	1,890	4,250	5,000	643	714
3	781	540	1,220	1,000	723	3,620	1,700	1,570	2,980	4,500	605	700
4	765	1,000	1,020	1,000	1,470	4,680	1,600	2,380	2,470	4,200	641	688
5	779	800	876	1,400	1,760	3,230	1,600	2,730	3,110	3,800	641	670
6	782	720	786	1,300	1,300	2,140	1,500	2,570	2,990	3,500	640	670
7	755	700	1,190	1,130	980	1,830	1,500	2,540	2,630	3,400	640	670
8	732	800	2,390	1,060	900	1,920	1,400	2,190	2,470	3,100	670	670
9	735	789	2,300	896	850	2,010	1,400	2,160	2,200	3,000	652	670
10	1,040	720	1,850	1,200	800	1,700	1,300	1,800	3,200	2,900	634	664
11	2,250	678	1,890	1,870	780	1,460	1,300	1,600	3,470	2,700	634	670
12	1,850	594	2,230	1,880	790	1,340	1,200	1,500	2,540	2,700	634	670
13	1,280	569	1,930	1,730	700	1,580	1,500	1,400	2,180	2,600	634	682
14	1,050	529	1,610	1,660	3,430	1,700	1,700	1,300	1,800	2,600	634	770
15	990	517	1,430	1,760	3,360	1,650	2,300	1,200	1,600	2,500	1,200	735
16	863	526	1,420	1,330	2,280	1,570	2,000	2,000	1,500	2,200	1,070	714
17	690	580	1,510	1,000	1,710	2,820	1,900	2,500	1,300	1,850	709	670
18	665	568	1,570	860	1,350	5,450	2,500	3,000	1,200	1,720	652	664
19	588	527	1,400	800	1,100	5,410	3,000	2,700	1,300	1,300	652	735
20	527	504	1,300	1,000	940	3,940	3,500	2,460	1,600	1,020	652	791
21	526	500	1,200	1,020	870	3,030	4,000	2,960	1,600	944	652	735
22	571	491	1,200	976	830	3,280	4,500	2,660	1,700	898	652	707
23	602	483	1,200	936	800	5,680	3,500	2,220	2,000	806	664	694
24	676	477	1,200	977	1,000	5,740	3,400	1,920	3,000	802	694	670
25	917	456	1,100	1,150	1,200	4,290	3,700	1,520	4,500	760	720	664
26	1,340	581	1,100	1,280	1,300	3,050	3,500	1,240	4,700	696	721	670
27	683	535	1,100	1,130	1,200	2,470	3,400	1,100	3,800	660	700	670
28	600	695	1,100	1,010	1,100	2,160	3,300	982	3,200	621	850	715
29	700	975	1,100	885	1,310	2,080	3,100	940	2,900	596	805	700
30	640	2,270	1,100	899	------	1,900	3,000	866	3,100	563	769	680
31	600	------	1,100	864	------	1,800	------	931	------	537	735	------
TOTAL	26,701	20,260	44,650	36,165	36,368	86,890	71,800	59,429	78,850	68,471	21,867	20,850
MEAN	861	675	1,440	1,167	1,253	2,803	2,393	1,917	2,628	2,209	705	695
MAX	2,250	2,270	2,500	1,880	3,430	5,740	4,500	3,000	4,700	6,000	1,200	791
MIN	526	456	786	800	700	1,340	1,200	866	1,200	537	605	664
(†)	-135	+100	+496	+212	+69	+370	+265	+122	+271	-180	-84	-374
MEAN ‡	726	775	1,936	1,379	1,322	3,173	2,658	2,039	2,899	2,029	621	321
CFSM ‡	1.27	1.36	3.39	2.42	2.32	5.56	4.65	3.57	5.08	3.55	1.09	0.56
IN ‡	1.46	1.52	3.91	2.79	2.50	6.41	5.19	4.12	5.67	4.09	1.26	0.62

WTR YR 1972 TOTAL 572,259.00 MEAN 1,564 MAX 6,000 MIN 456 MEAN ‡ 1,659 CFSM ‡ 2.91 IN ‡ 39.61

†Change in contents in Otis and West Branch Reservoirs, Mad River and Sucker Brook Reservoirs, Colebrook River Lake, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs, and diversion from Barkhamsted, Nepaug, Whigville Reservoirs, and Whites Bridge pumping plant, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, Union Pin Company, and Massachusetts Department of Natural Resources, Division of Forests and Parks, and the city of New Britain.

‡Adjusted for diversion and change in contents.

01190000 Farmington River at Rainbow, Conn.

LOCATION.--41°54'41", long 72°41'16", Hartford County, on left bank at Rainbow, 300 ft from Stevens Paper Mill, 0.4 mile downstream from Farmington River Power Co. dam, 1.3 miles upstream from Poquonock, 6.4 miles downstream from Salmon Brook, and at mile 8.2.

DRAINAGE AREA.--583 sq mi (revised).

PERIOD OF RECORD.--August 1928 to current year. Prior to 1940, published as "at Tariffville".

GAGE.--Water-stage recorder. Datum of gage is 35.36 ft above mean sea level. Prior to July 1, 1939, graphic water-stage recorder at site 5.5 miles upstream at datum 94.85 ft higher.

AVERAGE DISCHARGE(adjusted to present site; adjusted for storage and diversion).--44 years, 1,046 cfs (24.36 inches per year).

EXTREMES.--Current year: Maximum discharge 6,740 cfs July 1 (gage height, 6.41 ft); minimum daily, 134 cfs Nov. 21. Period of record: Maximum discharge 69,200 cfs Aug. 19, 1955 (gage height, 23.5 ft from floodmarks), by computation of flow over dam 0.4 mile upstream; minimum daily 5.1 cfs Mar. 5, 1944, Oct. 28, Nov. 11, 1945; Feb. 22, 1947.

REMARKS.--Records excellent. Flow regulated by power plant, by Otis and West Branch Reservoirs, Mad River Detention Reservoir, Sucker Brook Reservoir, Colebrook River Lake, Highland Lake, Barkhamsted, East Branch, Nepaug, and Whigville Reservoirs (see p. 44), and by diversion for municipal supply from Barkhamsted, Nepaug and Whigville Reservoirs, and Whites Bridge pumping plant. Records of water quality are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	786	660	2,260	1,120	625	1,470	1,780	2,770	2,960	6,580	648	836
2	807	678	1,910	1,030	678	1,990	1,430	2,020	3,930	5,730	521	719
3	556	737	1,190	1,100	767	3,080	2,000	1,590	2,730	3,850	668	732
4	834	1,010	911	1,660	1,220	4,250	1,770	2,210	2,530	4,440	764	517
5	776	808	766	1,290	1,830	2,920	1,890	2,120	2,530	4,410	687	738
6	790	653	900	1,120	996	1,910	1,930	2,080	2,700	4,040	308	650
7	765	706	1,300	996	1,010	1,740	1,840	2,460	2,520	3,520	601	613
8	752	760	2,500	898	865	1,720	1,490	2,120	2,310	3,600	623	933
9	612	755	2,400	650	849	1,840	1,160	1,980	2,070	3,830	602	628
10	1,090	456	2,100	1,300	876	1,690	1,420	2,040	2,830	3,530	985	438
11	1,900	671	1,800	1,800	734	1,260	1,220	2,020	3,040	3,210	346	554
12	2,030	912	1,930	1,770	772	1,370	1,420	2,010	2,560	3,070	196	616
13	1,210	387	1,970	1,560	685	1,350	1,610	1,960	2,000	3,200	356	679
14	861	370	1,260	1,290	2,610	1,560	2,140	1,210	1,970	3,060	456	901
15	1,020	665	1,330	1,650	3,110	1,460	2,450	1,730	1,750	2,680	1,230	735
16	846	485	1,390	969	2,220	1,220	2,040	2,940	1,540	2,800	1,400	545
17	558	506	1,470	826	1,890	2,520	1,990	3,440	1,360	2,100	681	658
18	480	451	1,450	751	1,270	5,050	3,030	2,840	1,400	1,900	631	715
19	573	591	910	1,220	909	4,970	3,350	2,600	1,400	1,600	233	966
20	446	712	1,230	1,070	1,060	3,460	3,990	2,410	1,770	1,300	464	460
21	599	134	1,060	601	766	2,940	4,800	2,500	2,000	1,100	495	739
22	503	593	997	827	902	2,840	3,730	2,510	1,920	823	493	762
23	679	456	782	876	859	5,100	3,460	2,110	2,610	569	529	561
24	701	383	1,200	1,050	1,040	5,290	3,920	1,960	5,130	782	644	682
25	940	279	1,080	1,160	1,220	3,850	3,630	1,330	5,160	728	932	788
26	1,010	920	1,530	1,190	1,290	2,630	3,690	1,160	4,290	414	728	644
27	941	680	1,360	1,140	1,180	2,270	3,560	1,060	3,700	613	564	570
28	771	497	1,090	967	1,060	1,990	3,430	967	3,290	664	839	917
29	826	973	1,230	799	1,080	1,980	3,270	733	3,400	599	934	604
30	616	1,800	1,180	662	------	1,960	3,140	853	4,860	410	680	772
31	360	------	1,190	859	------	1,950	------	854	------	522	619	------
TOTAL	25,370	18,886	43,634	34,011	34,393	79,230	76,100	60,587	82,260	75,654	19,837	20,672
MEAN	818	630	1,408	1,097	1,186	2,556	2,537	1,954	2,742	2,440	640	689
MAX	2,030	1,800	2,500	1,800	3,110	5,290	4,800	3,440	5,160	6,580	1,400	966
MIN	360	134	766	662	625	1,220	1,160	733	1,360	410	196	438
(†)	-135	+108	+496	+212	+69	+370	+265	+122	+271	-180	-84	-374
MEAN ‡	683	730	1,904	1,309	1,255	2,926	2,802	2,076	3,013	2,260	556	315
CFSM ‡	1.17	1.25	3.26	2.25	2.15	5.02	4.81	3.56	5.17	3.88	0.95	0.54
IN ‡	1.35	1.40	3.76	2.59	2.32	5.79	5.37	4.10	5.77	4.47	1.10	0.60

CAL YR 1971 TOTAL 333,066 MEAN 913 MAX 2,690 MIN 104 MEAN ‡ 1,036 CFSM ‡ 1.77 IN ‡ 24.03

WTR YR 1972 TOTAL 570,634 MEAN 1,559 MAX 6,580 MIN 134 MEAN ‡ 1,654 CFSM ‡ 2.84 IN ‡ 38.66

† Change in contents in Otis and West Branch Reservoirs, and Mad River and Sucker Brook Detention Reservoirs, Colebrook River Lake, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs, and diversion from Barkhamsted, Nepaug, Whigville Reservoirs, and Whites Bridge pumping plant, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, Union Pin Company, and Massachusetts Department of Natural Resources, Division of Forests and Parks, and the city of New Britain.

‡ Adjusted for diversion and change in contents.

01190500 South Branch Park River at Hartford, Conn.

LOCATION.--Lat 41°44'02", long 72°42'51", Hartford County, on left bank at upstream side of bridge on Newfield Avenue in Hartford, 0.7 mile downstream from confluence of Trout Brook and Piper Brook, and 3.3 miles upstream from confluence with North Branch.

DRAINAGE AREA.--39.9 sq mi (revised).

PERIOD OF RECORD.--October 1936 to current year.

GAGE.--Water-stage recorder. Datum of gage is 31.07 ft above mean sea level, (levels by Department of Engineering, city of Hartford).

AVERAGE DISCHARGE.--36 years, 70.7 cfs (24.04 inches per year).

EXTREMES.--Current year: Maximum discharge 2,190 cfs June 30 (gage height, 5.59 ft); minimum, 12 cfs Sept. 8. Period of record: Maximum discharge 5,000 cfs Aug. 19, 1955, from rating curve extended above 1,000 cfs on basis of records for North Branch Park River and Park River at Hartford; maximum gage height, 19.65 ft Aug. 19, 1955, from floodmarks; minimum daily discharge, 3.5 cfs July 16, 1965.

PEAK DISCHARGE.--(Base, 650 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-29	2300	2.52	760	5-15	0600	3.42	874
2-04	0330	2.35	675	6-01	0130	3.83	978
3-03	1200	4.34	1,940	6-30	1100	5.59	2,190
3-17	1400	3.52	1,290				

REMARKS.--Records fair. Some regulation by dams upstream and by storage and diversion at Hartford water-supply reservoirs on headwater streams. Some regulation at high flow since 1964 by Talcott and South Detention reservoirs, on tributaries of Trout Brook (combined usable capacity, 65,000,000 cu ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	50	172	57	26	189	73	64	557	983	33	18
2	17	95	113	137	25	261	79	64	134	279	32	16
3	16	80	86	158	41	1,320	73	190	87	184	31	15
4	17	60	67	85	441	458	66	295	108	132	120	14
5	19	50	51	100	105	216	65	136	172	115	60	14
6	28	39	59	54	73	151	65	85	78	100	35	14
7	25	70	267	43	67	136	64	76	84	90	50	14
8	22	50	184	34	59	235	64	85	68	83	45	12
9	19	35	120	59	51	144	64	125	89	170	35	13
10	295	33	116	161	48	100	64	101	244	90	33	13
11	173	31	150	93	57	88	65	80	100	72	30	13
12	43	33	110	80	51	125	64	69	82	110	27	13
13	31	28	94	67	212	146	145	64	66	370	25	18
14	29	24	82	44	252	98	116	66	66	300	24	34
15	23	25	130	55	105	100	72	493	67	100	239	26
16	18	54	135	51	98	121	78	239	77	70	140	20
17	23	45	80	32	81	976	104	131	172	60	60	16
18	27	40	60	33	68	567	66	100	73	55	37	17
19	28	35	52	35	66	291	66	83	251	49	32	42
20	31	34	46	39	63	201	229	170	122	50	29	29
21	31	32	45	42	61	148	168	162	87	46	23	20
22	24	37	45	40	60	317	111	100	193	40	22	19
23	20	35	45	50	65	341	216	77	252	45	24	17
24	50	33	60	80	57	181	176	68	437	61	23	16
25	104	35	90	86	57	142	109	66	190	96	21	15
26	42	90	60	78	60	125	85	66	161	50	25	15
27	31	101	54	60	62	110	81	66	177	46	35	15
28	28	251	54	31	74	94	68	66	506	43	20	14
29	27	233	46	31	120	91	64	66	510	40	22	14
30	26	494	93	30	------	86	66	67	1,380	37	20	22
31	29	------	168	27	------	66	------	175	------	35	19	------
TOTAL	1,310	2,237	2,934	2,012	2,605	7,618	2,013	3,623	6,590	3,559	1,347	536
MEAN	42.3	74.6	94.6	64.9	89.8	246	67.1	117	220	115	43.5	17.9
MAX	295	494	267	161	441	1,320	229	493	1,380	983	239	42
MIN	16	24	45	27	25	66	64	64	66	35	19	12
CFSM	1.06	1.87	2.37	1.63	2.25	6.17	2.35	2.93	5.51	2.88	1.09	.45
IN.	1.22	2.39	2.74	1.88	2.43	7.10	2.62	3.38	6.14	3.32	1.26	.50

CAL YR 1971 TOTAL 27,625.6 MEAN 75.7 MAX 513 MIN 9.0 CFSM 1.90 IN 25.76
WTR YR 1972 TOTAL 37,164.0 MEAN 102 MAX 1,380 MIN 12 CFSM 2.56 IN 34.67

CONNECTICUT RIVER BASIN

01191000 North Branch Park River at Hartford, Conn.

LOCATION.--Lat 41°47'03", long 72°42'31", Hartford County, on right bank 60 ft downstream from stone-arch bridge on Albany Avenue in Hartford, and 3 miles upstream from confluence with South Branch.

DRAINAGE AREA.--25.1 sq mi (revised).

PERIOD OF RECORD.--October 1936 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 34.20 ft above mean sea level.

AVERAGE DISCHARGE.--36 years, 36.8 cfs (19.91 inches per year).

EXTREMES.--Current year: Maximum discharge 1,730 cfs Mar. 3 (gage height, 8.80 ft); minimum, 3.0 cfs Sept. 8, (gage height, 1.27 ft).

Period of record: Maximum discharge 10,000 cfs Aug. 19, 1955, from rating curve extended above 1,600 cfs on basis of slope-measurement of peak flow 2.6 miles upstream; maximum gage height, 18.8 ft Aug. 19, 1955 from floodmarks; minimum discharge 0.04 cfs Sept. 24, 25, 1943 (gage height, 0.75 ft); minimum daily 0.4 cfs Sept 24, 1943.

Flood of March 12, 1936 reached a stage of 11.2 ft as determined from floodmarks by city engineers of Hartford (discharge about 2,800 cfs).

REMARKS.--Records good. Some regulation at small dams upstream and by storage and diversion at a Hartford water-supply reservoir on headwater stream. High flow regulated by Bloomfield, Wintonbury, and Blue Hills Reservoirs (combined usable capacity 98,000,000 cu ft), on tributaries of North Branch Park River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	15	120	51	12	88	33	23	370	349	28	7.0
2	6.4	63	99	36	12	178	36	23	111	180	16	6.9
3	5.7	33	99	66	17	1,140	41	70	46	60	17	6.7
4	5.3	25	26	45	455	503	36	206	39	55	29	6.3
5	5.3	20	41	58	198	163	47	91	122	45	12	5.6
6	7.2	16	20	47	182	182	46	69	45	42	13	5.0
7	8.6	32	135	29	26	121	38	57	38	32	13	5.9
8	6.6	24	120	21	19	230	30	56	27	30	20	5.8
9	11	16	60	30	17	126	29	58	46	62	20	5.9
10	146	14	56	80	15	70	26	55	232	52	23	5.0
11	105	15	72	69	14	45	28	40	71	26	19	4.6
12	32	13	50	53	14	98	29	30	33	23	15	4.9
13	16	12	45	41	119	82	88	25	26	139	15	11
14	12	11	38	63	300	61	91	22	23	121	29	15
15	11	13	63	33	82	44	40	278	22	43	144	12
16	9.7	26	65	44	41	52	34	209	22	27	34	8.3
17	8.1	21	37	16	35	638	56	82	46	23	18	7.1
18	7.3	17	28	15	25	580	35	46	25	20	19	7.5
19	9.1	16	26	17	25	209	27	32	118	19	14	19
20	7.4	16	17	18	24	104	156	78	88	23	11	12
21	12	15	20	20	24	76	127	99	49	19	9.0	8.1
22	8.0	18	26	19	24	236	59	48	85	17	10	7.7
23	7.4	17	25	19	26	266	166	32	142	16	11	7.6
24	11	15	33	38	28	116	139	24	351	15	9.3	7.8
25	96	16	49	41	31	70	64	19	124	13	9.3	8.1
26	29	28	31	37	32	56	40	16	118	11	16	8.4
27	18	31	30	30	28	46	32	15	120	11	8.6	8.2
28	16	165	30	15	28	38	28	15	258	9.9	9.7	8.0
29	11	199	24	15	38	35	25	14	287	9.3	9.9	8.0
30	9.8	425	37	16	———	35	21	14	715	8.6	8.2	10
31	9.6	———	72	13	———	34	———	56	———	11	7.3	———
TOTAL	411.2	1,267	1,510	1,086	1,885	5,520	1,643	1,836	3,783	1,409.8	614.2	243.6
MEAN	13.3	42.2	48.7	35.0	65.0	178	54.8	59.2	126	45.5	19.8	8.12
MAX	146	425	135	80	455	1,140	166	278	715	349	144	19
MIN	5.3	11	17	13	12	34	21	14	22	8.6	7.3	4.6
CFSM	.53	1.68	1.94	1.39	2.59	7.09	2.18	2.36	5.02	1.81	.79	.32
IN.	.61	1.88	2.24	1.61	2.79	8.18	2.44	2.72	5.60	2.09	.91	.36

CAL YR 1971 TOTAL 12,973.9 MEAN 35.5 MAX 425 MIN 2.8 CFSM 1.41 IN 19.23
WTR YR 1972 TOTAL 21,418.0 MEAN 58.5 MAX 1,140 MIN 4.6 CFSM 2.33 IN 31.76

01192600 South Branch Salmon Brook at Buckingham, Conn.

LOCATION.--Lat 41°43'00", long 72°32'20", Hartford County, on left bank just upstream from culvert on Keeney Street at Buckingham.

DRAINAGE AREA.--0.94 sq mi (revised).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 203.41 ft above mean sea level.

AVERAGE DISCHARGE.--12 years, 1.36 cfs (19.65 inches per year).

EXTREMES.--Current year: Maximum discharge 115 cfs Sept. 19 (gage height, 5.00 ft); minimum 0.66 cfs Oct. 19 (gage height, 0.90 ft).
Period of record: Maximum discharge 115 cfs Sept. 19, 1972 (gage height, 5.00 ft); minimum 0.10 cfs Oct. 5, 1966 (gage height, 0.78 ft).

PEAK DISCHARGE.--(Base, 8.0 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
11-29	2130	1.72	9.7	5-23	0100	2.04	17	5-26	0930	1.82	[illegible]
2-04	0030	1.80	13	5-31	1900	2.04	17	6-20	1600	2.06	17
2-13	1800	1.80	13	6-04	2030	2.12	19	6-30	0930	2.10	18
3-03	0430	2.06	17	6-09	2300	1.75	10	7-19	2000	1.90	14
3-17	0730	1.79	11	6-17	0500	1.79	11	9-19	0600	5.00	115

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	.96	1.7	1.2	1.1	2.8	2.9	2.5	4.0	5.0	2.8	1.6
2	.72	.96	1.5	2.4	1.2	4.0	2.9	2.5	3.7	4.4	2.3	1.5
3	.72	.96	1.5	1.7	1.9	6.9	2.8	3.5	3.5	4.3	2.3	1.7
4	.72	.82	1.5	1.7	5.3	4.0	3.0	4.0	5.0	4.1	2.2	1.6
5	.69	.79	1.6	1.7	1.3	5.4	2.9	2.9	4.8	4.1	2.1	1.5
6	.75	.79	1.7	1.9	1.7	3.1	2.7	2.7	3.8	3.9	2.1	1.3
7	.72	1.3	2.4	1.6	1.2	3.3	2.5	2.6	3.9	3.7	2.2	1.3
8	.69	.91	1.8	1.6	1.2	4.7	2.4	2.8	5.5	3.4	2.2	1.3
9	.69	.85	1.7	1.7	1.1	3.0	2.4	3.3	4.3	3.3	2.0	1.6
10	2.2	.95	1.6	2.0	1.1	2.8	2.3	2.9	5.3	3.2	2.0	1.2
11	1.2	.95	1.5	1.7	1.1	2.7	2.0	2.7	3.9	3.0	2.0	1.2
12	.82	.82	1.5	1.6	1.1	3.1	2.5	2.6	3.5	2.8	2.0	1.2
13	.78	.79	1.6	1.6	3.7	2.9	3.2	2.5	3.6	4.1	2.0	1.8
14	.75	.82	1.6	1.7	1.8	2.6	2.7	2.5	3.3	4.1	3.0	1.6
15	.75	.88	1.7	1.9	1.9	2.7	2.5	3.0	5.2	3.5	2.8	1.3
16	.75	1.1	1.5	1.3	1.5	2.0	4.3	5.1	3.3	3.3	1.7	1.2
17	.69	.88	1.6	1.2	1.3	8.2	6.9	2.9	4.0	3.2	1.7	1.2
18	.72	.85	1.6	1.2	1.3	5.1	8.5	2.6	3.3	3.2	1.7	1.2
19	.69	.82	1.3	1.2	1.2	4.1	8.6	2.5	5.6	3.9	1.6	16
20	.72	.89	1.6	1.3	1.2	5.0	12	5.7	3.0	3.6	1.6	2.7
21	.72	.88	1.3	1.6	1.2	3.7	11	3.0	5.9	3.0	1.9	2.1
22	.72	.88	1.3	1.4	1.2	4.1	11	2.7	4.3	2.8	1.5	2.1
23	.72	.79	1.2	1.6	1.2	4.3	13	2.5	4.1	2.7	1.5	2.3
24	.85	.82	1.5	1.6	1.2	3.8	12	2.6	5.0	2.7	1.5	1.7
25	1.2	1.1	1.6	1.6	1.2	3.6	6.9	2.3	4.0	2.5	1.5	1.6
26	.85	.88	1.3	1.3	1.2	3.3	2.6	2.3	5.8	2.4	1.5	1.6
27	.79	1.1	1.3	1.1	1.2	3.3	2.5	2.2	5.5	2.4	1.5	1.6
28	.79	2.0	1.3	1.1	1.6	3.1	2.5	2.2	4.7	2.4	1.4	1.5
29	.79	2.7	1.2	1.1	1.7	3.1	2.5	2.1	5.0	2.3	1.4	1.6
30	.79	2.9	1.5	1.1	------	3.0	2.4	2.1	8.0	2.3	1.4	1.7
31	.75	------	1.6	1.2	------	3.0	------	6.0	------	2.9	1.4	------
TOTAL	25.67	32.05	46.0	46.9	47.8	116.6	148.9	88.0	126.8	102.3	58.6	50.5
MEAN	.82	1.07	1.48	1.49	1.65	3.76	4.96	2.84	4.23	3.30	1.89	1.68
MAX	2.2	2.9	2.4	2.4	5.7	8.2	13	6.0	8.0	5.0	3.0	16
MIN	.69	.79	1.2	1.1	1.1	2.6	2.3	2.1	3.2	2.3	1.4	1.2
CFSM	.87	1.14	1.57	1.58	1.76	4.00	5.27	3.02	4.50	3.51	2.00	1.79
IN.	1.01	1.27	1.82	1.78	1.90	4.61	5.88	3.48	5.02	4.05	2.31	2.00

CAL YR 1971 TOTAL 446.31 MEAN 1.24 MAX 5.0 MIN .60 CFSM 1.34 IN 18.22
WTR YR 1972 TOTAL 889.52 MEAN 2.43 MAX 16 MIN .69 CFSM 2.59 IN 35.10

01192890 Coginchaug River at Rockfall, Conn.

LOCATION.--Lat 41°32'10", long 72°41'16", Middlesex County, on left bank just downstream from bridge on State Highway 157, half a mile northeast of Rockfall, and 2.5 miles southeast of Middletown.

DRAINAGE AREA.--34.7 sq mi (revised).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.14 ft above mean sea level.

AVERAGE DISCHARGE.--11 years, 53.6 cfs (20.96 inches per year).

EXTREMES.--Current year: Maximum discharge 1,080 cfs June 20 (gage height, 4.79 ft); minimum 2.4 cfs Aug. 10 (gage height, 0.62 ft); minimum daily 7.8 cfs Sept. 12.
Period of record: Maximum discharge 1,200 cfs Feb. 3, 1970 (gage height, 5.20 ft); minimum 0.[illegible] cfs Aug. 2, 1964; minimum gage height, 0.49 ft July 17, 1965; minimum daily 0.9 cfs July 8, 15, Aug. 5, 8, 1962, July 17, 1965.

PEAK DISCHARGE.--(Base, 700 cfs):

DATE	TIME	G.HT	DISCHARGE
3-03	1730	3.76	644
3-17	1330	3.77	648
6-20	0630	4.79	1,080
6-24	1230	3.88	692

REMARKS.--Records good. Some regulation at low flow by Beseck Lake and industrial plants upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	66	236	76	23	111	68	90	351	282	22	9.0
2	48	59	188	95	21	269	65	91	329	211	22	9.1
3	44	72	146	151	23	524	63	73	230	168	21	10
4	37	72	117	133	133	514	64	227	164	147	19	10
5	35	60	88	143	119	333	71	209	137	120	17	9.6
6	34	69	76	117	98	208	67	155	112	106	16	9.5
7	31	99	149	105	69	175	60	119	92	90	28	9.1
8	27	68	172	77	62	193	54	99	74	75	46	8.8
9	23	61	151	68	47	185	50	113	61	64	40	8.3
10	98	53	126	115	42	144	46	129	140	56	29	8.0
11	173	67	108	117	80	115	46	108	199	69	20	7.9
12	160	61	90	103	43	121	45	89	127	65	17	7.8
13	131	59	77	87	86	128	65	73	96	61	15	8.0
14	99	56	65	89	168	114	95	62	72	95	16	9.9
15	69	55	66	77	147	106	85	140	58	79	38	9.6
16	47	61	72	68	115	114	73	162	50	61	39	9.4
17	38	61	66	83	71	556	74	130	182	47	30	9.3
18	33	59	56	52	59	536	65	111	229	38	23	9.0
19	30	56	62	56	52	346	55	90	665	66	19	17
20	29	56	61	63	49	230	79	108	1,010	103	16	22
21	27	56	61	68	67	176	106	157	676	96	14	25
22	26	56	61	69	66	220	98	136	634	75	13	19
23	26	53	56	60	65	207	143	107	626	91	12	15
24	26	29	58	50	64	21.	134	86	638	39	11	13
25	94	59	56	50	63	166	116	66	565	32	11	12
26	66	97	56	50	62	133	93	53	399	29	10	11
27	58	76	51	33	43	112	77	46	287	25	10	10
28	47	152	66	28	66	95	67	42	210	23	11	9.3
29	39	160	61	27	57	86	59	38	163	21	10	8.9
30	37	250	62	26	------	76	56	35	258	20	9.8	9.9
31	33	------	92	25	------	72	------	60	------	19	9.5	------
TOTAL	1,673	1,829	2,666	2,230	1,877	6,667	2,237	3,130	8,366	2,369	614.3	334.4
MEAN	54.0	61.0	85.9	72.2	64.7	216	74.6	101	279	76.4	19.8	11.1
MAX	173	250	236	151	168	556	143	227	1,010	282	46	25
MIN	23	29	36	25	21	72	45	35	50	19	9.5	7.8
CFSM	1.56	1.76	2.48	2.08	1.86	6.17	2.15	2.91	8.04	2.20	.57	.32
IN.	1.79	1.96	2.86	2.40	2.01	7.13	2.40	3.36	8.97	2.54	.66	.36

CAL YR 1971 TOTAL 23,665.0 MEAN 64.8 MAX 514 MIN 2.1 CFSM 1.87 IN 25.35
WTR YR 1972 TOTAL 33,979.7 MEAN 92.8 MAX 1,010 MIN 7.8 CFSM 2.67 IN 36.43

01193000 Connecticut River near Middletown, Conn.

LOCATION.--Lat 41°33'40", long 72°36'45", Middlesex County, on right bank half a mile upstream from Bodkin Rock, 2 miles downstream from Middletown, and 30 miles upstream from mouth.

DRAINAGE AREA.--10,882 sq mi (revised).

PERIOD OF RECORD.--October 1965 to current year. Jan. 1, 1947 to Sept. 30, 1948, twice daily readings on outside staff gage, and Sept. 8, 1948 to Oct. 14, 1965, infrequent discharge measurements at high stages and continuous graphic record of stage.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below mean sea level. Auxiliary digital water-stage recorder at same datum on right bank 3.8 miles downstream, 120 ft downstream from pier of United Aircraft Corp. (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL).

REMARKS.--Volume records good. Flow affected by ocean tides below a stage of 18.00 ft and by storage in major reservoirs having a combined capacity of about 117 billion cubic feet. Some diversion from Chicopee River basin and regulation of flow by power plants. Volumes of flow in alternate directions are tabulated for each cycle of ebb and flood tide. Base data are simultaneous readings of gage heights obtained by two standard U.S. Geological Survey digital recorders located at the ends of a fairly uniform channel reach. Net volume cannot be accurately computed by taking the difference between successive values of upstream and downstream volumes, because channel storage is different at the beginning and end of each tidal change, and because net volume is a comparative small difference between two large numbers, and the errors in the large numbers would be greatly magnified in the difference.

Where 2 successive downstream or upstream volumes are shown on adjacent days, the portion of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide.

Records of water quality at auxiliary gage for current year are in Part 2 of this report.

Discharge in cfs at 15 minute intervals are available upon request.

NOTE.--Incomplete gage-height record many days during year. Where no volume is shown, gage-height record was incomplete, however, discharge or volume may be available for partial days.

01193000 Connecticut River near Middletown, Conn.--Continued

OCTOBER 1971 DISCHARGE AT STATION 1193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY						
8	0	108	-241	869	-667	609
9	102	-355	695	-620	410	
10	113	-369	390	-587	406	
11	412	-330	788	-303	248	
12	480	-87	513	-253	160	
13	502	-153	452	-281	52	
14	426	-225	478	-213	0	
15	403	-201	432	-175		
16	0	403	-263	378	-202	
17	-21	351	-289	352	-242	
18	-95	321	-328	841	-99	
19	-120	373	-333	412	-108	
20	-134	338	-277	438	-19	
21	-115	330	-238	390	-11	
22	-171	269	-320	391	0	
23	-179	301	-325	361		
24	8	-213	230	-371	375	
25	29	-146	353	-252	306	
26	90	-176	334	-260	259	
27	174	-150	334	-226	208	
28	244	-163	366	-213	129	
29	315	-163	353	-205	64	
30	354	-265	393	-211	0	
31	367	-321	372	-264		

NOVEMBER 1971 DISCHARGE AT STATION 1193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY					
1	-8	358	-331	411	-201
2	-39	374	-321	444	-133
3	-61	395	-259	504	-68
4	-59	433	-269	504	-1
5	-101	308	-295	339	-5
6	-150	321	-264	344	
7	9	-199	215	-232	231
8	31	-189	187	-250	171
9	73	-190	248	-218	175
10	152	-160	307	-160	117
11	183	-186	226	-195	50
12	238	-166	310	-163	23
13	257	-244	287	-169	0
14	212	-276	255	-216	
15	-19	168	-356	229	-221
16	-35	245	-291	286	-157
17	-83	195	-347	339	-98
18	-82	279	-287	322	-71
19	-107	280	-290	334	-40
20	-134	300	-251	286	-21
21	-172	256	-298	347	
22	0	-210	202	-273	243
23	16	-178	235	-198	248
24	50	-147	279	-195	208
25	62	-305	115	-235	177
26	132	-200	199	-259	94
27	155	-249	278	-264	35
28	184	-280	364	-171	19
29	261	-305	375	-194	
30	-3	381	-155	710	

01193000 Connecticut River near Middletown, Conn.--Continued

DECEMBFR 1971 DISCHARGE AT STATION 1193000

VOLUME IN MILLICNS OF CUBIC FEET

DAY					
1	502	-140	593		
2	472	-184	452	-35	
3	-56	381	-210	445	-10
4	-82	370	-196	340	-5
5	-154	304	-241	339	
6	2	-179	293	-236	320
7	20	-159	368	-161	292
8	83	-151	457	-76	299
9	206	-83	547	-1	247
10	262	-66	489	-52	123
11	269	-117	760		
12	397	-3	848		
13	493	-20	799		
14	513	-15	742		
15	549	-60	566	-64	
16	-17	502	-74	580	-2
17	-1	504	-81	691	
18	1572				
19	687	-66	646		
20	6	-23	472	-141	506
21	16	-64	441	-121	475
22	56	-31	532	-56	335
23	81	-79	392	-77	321
24	110	-95	357	-100	254
25	204	-4	464	-93	136
26	186	-148	781		
27	297	-142	502	-78	42
28	386	-151	775		
29	426	-139	743		
30	540	-111	553	-53	
31	-20	543	-91	633	-3

JANUARY 1972 DISCHARGE AT STATION 1193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY					
1	-25	463	-165	534	-4
2	-57	380	-275	409	
3	3	-56	436	-117	439
4	15	-44	486	-84	444
5	45	-88	461	-94	406
6	81	-73	490	-30	333
7	148	-99	441	-46	249
8	176	-40	315	-136	55
9	67	-173	292	-106	92
10	214	-123	404	-47	62
11	279	-126	509		
12	432	-39	741		
13	495	-81	549	-25	0
14		0	0		
15	495	-87	627		
16	545	-88	395	-20	
17	-69	341	-178	442	0
18	-39	389	-121	451	
19	2	-58	472	-114	492
20	57	-37	509	-80	469
21	50	-190	580	-43	389
22	92	-126	536	-19	338
23	128	-149	520	-13	239
24	197	-137	480	-46	86
25					
26	304	-63	449	-13	0
27	308	-155	505	-19	1
28	424	-145	530	-25	
29	-4	528	-72	462	-50
30	-42	413	-155	445	-21
31	-71	350	-146	341	-23

01193000 Connecticut River near Middletown, Conn.--Continued

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                 FEBRUARY    1972            DISCHARGE AT STATION   1193000

DAY                VOLUME IN MILLIONS OF CUBIC FEET
  1         -115        402        -147        412          0
  2         -125        346        -166        343         -1
  3         -200        416        -174        355
  4            0
  5
  6          131        -57         395        -51        195
  7          111       -107         289       -110        123
  8          177        -93         403
  9

 10
 11
 12           -1        359        -137        423        -92
 13           -5        367        -211        362       -158
 14          -17        551        -160        602         -5
 15           -7        609         -52        609         -2
 16          -42        654         -58        637
 17            2        -42         504       -115        535
 18            0       -131         553       -117        478
 19            2       -224         505       -282        542
 20
 21
 22
 23
 24
 25            0        365        -314        373       -152
 26           -3        330        -283        342       -145
 27          -39        320        -226        345       -121
 28          -47        374        -210        344       -102
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                 MAY         1972            DISCHARGE AT STATION   1193000

DAY               VOLUME IN MILLIONS OF CUBIC FEET
  1         5027
  2         5491
  3         6215
  4         7351
  5         8789
  6         9600
  7         9781
  8         9571
  9         9675
 10         9522
 11         9385
 12         8721
 13         7509
 14         5956
 15         5171
 16         4669
 17         5221
 18         5677
 19         6252
 20         5936
 21         5189
 22         4542
 23         4053
 24         3296
 25         2559
 26         2499
 27         2291
 28         2172
 29         1880
 30         1048
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01193000 Connecticut River near Middletown, Conn.--Continued

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                  JUNE       1972            DISCHARGE AT STATION   1193000

DAY                 VOLUME IN MILLIONS OF CUBIC FEET
  1          2979
  2          3805
  3          3744
  4          3336
  5          3188
  6          3299
  7          2966
  8          2804
  9          2739
 10          2911
 11          3110
 12          2936
 13          2667
 14          2679
 15          2490
 16          2435
 17          2499
 18          2325
 19          2032
 20          2103
 21          2480
 22          2690
 23          2503
 24          2667
 25          3242
 26          3266
 27          3355
 29          3298
 30          2990

                  SEPTEMBER   1972           DISCHARGE AT STATION   1193000

DAY                 VOLUME IN MILLIONS OF CUBIC FEET
  1           210       -121        290       -256        153
  2           249       -120        297       -256         70
  3           320       -220        318       -206         15
  4           313       -257        283       -270
  5            -3        405       -185        279         -7        453
  6           279        -84        327       -180
  7           -72        340       -171        305       -116
  8           -97        393       -236        360        -83
  9          -136        365       -244        373        -20
 10          -161        306       -258        288        -11
 11          -182        335       -186        332
 12             0       -175        236       -290        305
 13            12       -190        229       -266        318
 14            67       -156        283       -229        265
 15            95       -158        207       -215        239
 16           160       -128        258       -195        145
 17           189       -190        264       -203         91
 18           255       -204        223       -244         30
 19           296       -194        304       -138          5
 20           303       -235        334       -219
 21            -2        389       -226        378       -159
 22           -23        366       -283        340       -169
 23           -63        319       -338        373       -115
 24          -106        334       -309        407        -69
 25          -144        321       -350        379        -19
 26          -193        330       -323        326
 27            16       -167        309       -315        345
 28            27       -209        236       -227        370
 29            92       -158        266       -331        195
 30           154       -177        261       -238        126
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01193500 Salmon River near East Hampton, Conn.

LOCATION.--Lat 41°33'11", long 72°26'57", Middlesex County, on right bank at Old Comstock Bridge, 150 ft downstream from New London-Middlesex County line, 0.6 mile downstream from Dickinson Creek, and 3.5 miles southeast of East Hampton.

DRAINAGE AREA.--102 sq mi (revised).

PERIOD OF RECORD.--July 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 69.50 ft above mean sea level.

AVERAGE DISCHARGE.--44 years, 174 cfs (23.16 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,640 cfs June 19 (gage height, 3.92 ft); minimum 29 cfs Sept. 12 (gage height, 0.49 ft).

Period of record: Maximum discharge, 12,400 cfs Sept. 21, 1938 (gage height, 10.96 ft), by computation of flow over dam half a mile upstream; minimum, 1.0 cfs Oct. 31, 1935 (gage height, -0.17 ft); minimum daily about 1 cfs Oct. 13, 1929.

PEAK DISCHARGE.--(Base, 1,300 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-03	1100	4.39	2490	6-01	0430	3.75	2400
3-17	1630	4.16	2230	6-19	1030	3.92	2640
3-22	2100	3.41	1470	6-24	1000	3.01	1520
5-04	0600	2.85	1350	6-30	1130	3.23	1760

REMARKS.--Records excellent. Slight regulation at low flow by ponds upstream. Records of water quality for the current year are in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	150	498	224	153	320	273	183	1,880	967	101	35
2	43	195	329	274	161	682	259	198	816	960	92	35
3	42	210	266	476	199	2,090	256	464	446	414	83	133
4	38	198	238	342	66C	1,120	259	1,270	332	459	78	144
5	37	156	204	410	296	668	300	640	522	372	69	88
6	43	135	231	280	201	487	300	414	354	354	63	73
7	61	202	476	252	183	460	270	327	420	287	88	54
8	48	220	430	224	164	726	242	316	310	244	170	44
9	43	169	329	220	172	605	228	384	292	220	109	40
10	396	150	280	420	172	430	210	446	874	198	80	38
11	510	140	262	342	166	365	214	349	489	173	66	34
12	259	130	234	284	166	435	224	292	316	150	60	31
13	169	125	220	259	468	509	302	256	264	210	57	34
14	130	117	204	300	648	405	400	240	240	274	70	50
15	113	122	245	245	360	375	288	711	224	198	209	50
16	101	189	280	140	27C	415	259	508	236	160	127	43
17	90	166	238	130	231	100	288	366	889	148	90	39
18	81	143	207	140	2C7	1,280	265	292	565	139	88	36
19	77	132	177	150	207	758	214	240	1,07C	259	86	338
20	73	135	180	150	195	531	358	390	1,150	475	72	198
21	71	130	189	150	210	440	395	466	694	240	62	118
22	73	143	180	150	189	833	291	316	1,120	183	56	86
23	73	143	153	150	177	1,010	498	252	1,090	152	51	70
24	73	125	198	200	177	623	385	213	1,310	137	54	60
25	153	208	256	195	175	460	296	183	811	118	75	56
26	169	270	214	166	172	380	252	167	960	105	54	54
27	135	228	195	137	177	365	228	157	466	94	64	93
28	115	465	189	143	177	338	210	144	384	88	63	47
29	105	479	175	143	217	312	198	134	349	80	53	44
30	96	851	186	158	------	296	189	127	1,190	75	46	50
31	92	------	292	153	------	288	------	470	------	75	40	------
TOTAL	3,557	6,206	7,755	7,007	6,956	18,106	8,331	10,915	19,639	7,616	2,476	2,177
MEAN	115	207	250	226	240	584	278	352	655	246	79.9	72.6
MAX	510	851	498	476	66C	2,090	498	1,270	1,880	967	209	338
MIN	37	117	153	130	153	100	189	127	224	75	40	31
CFSM	1.13	2.03	2.45	2.22	2.35	5.73	2.73	3.45	6.42	2.41	.78	.71
IN.	1.30	2.26	2.83	2.56	2.54	6.60	3.04	3.98	7.16	2.78	.90	.79

CAL YR 1971 TOTAL 56,098.0 MEAN 154 MAX 1,100 MIN 9.0 CFSM 1.51 IN 20.46
WTR YR 1972 TOTAL 100,741.0 MEAN 275 MAX 2,090 MIN 31 CFSM 2.70 IN 36.74

01193800 Hemlock Valley Brook at Hadlyme, Conn.

LOCATION.--Lat 41°25'42", long 72°25'23", Middlesex County, on right bank just upstream from culvert on Bone Mill Road at Hadlyme, 0.5 mile upstream from mouth.

DRAINAGE AREA.--2.62 sq mi (revised).

PERIOD OF RECORD.--July 1960 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 37.85 ft above mean sea level.

AVERAGE DISCHARGE.--12 years, 4.89 cfs (25.33 inches per year).

EXTREMES.--Current year: Maximum discharge 185 cfs June 19 (gage height, 2.50 ft); minimum 0.28 cfs Oct. 2-6 (gage height, 0.47 ft).
Period of record: Maximum discharge 270 cfs Mar. 6, 1963 (gage height, 2.8 ft); minimum 0.08 cfs Sept. 2, 1963.

PEAK DISCHARGE.--(Base, 65 cfs):

DATE	TIME	G.HT	DISCHARGE
~~3-03~~	~~1430~~	~~1.86~~	~~65~~
6-19	1300	2.50	185

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	3.0	19	9.0	2.8	12	7.1	6.0	39	17	3.2	.69
2	.31	4.1	7.2	9.5	2.5	15	7.2	8.8	20	12	2.1	.66
3	.30	4.7	6.0	11	3.7	43	7.8	26	16	9.9	2.5	4.6
4	.28	4.1	5.8	9.2	18	30	7.3	36	12	8.9	3.3	2.3
5	.28	2.8	4.8	11	5.7	23	8.3	19	10	8.7	1.8	1.2
6	.31	2.6	5.6	7.0	4.7	16	7.6	15	9.0	8.3	1.7	.93
7	.43	4.4	16	6.6	4.3	16	7.1	13	9.5	6.8	2.0	.85
8	.40	4.1	12	9.0	4.0	24	5.6	13	7.8	6.7	2.6	.79
9	.43	2.9	8.1	5.8	3.6	23	6.3	16	7.2	5.9	1.7	.76
10	16	2.8	7.0	12	3.6	19	5.9	15	17	5.1	1.4	.71
11	13	2.6	7.7	7.4	3.6	17	6.6	16	13	4.6	1.2	.87
12	5.3	9.4	6.0	5.9	9.5	16	6.4	13	11	4.0	1.1	.96
13	2.7	3.2	5.6	6.4	9.6	18	14	17	9.0	6.5	1.1	1.0
14	2.2	2.0	5.1	8.0	15	15	12	9.2	7.8	5.7	2.4	1.2
15	2.0	9.3	6.7	5.6	9.0	19	9.5	41	7.0	4.1	9.1	1.1
16	1.8	4.0	6.6	4.9	4.3	21	9.5	22	11	3.8	2.3	.99
17	1.8	3.0	5.7	4.4	5.6	27	11	19	38	3.3	1.6	.97
18	1.5	2.5	4.7	4.2	5.1	20	7.5	15	18	3.0	1.5	.97
19	1.4	2.3	3.9	4.3	4.0	17	7.7	12	87	4.0	1.3	2.3
20	1.3	9.5	4.7	4.4	4.7	9.1	14	15	31	11	.94	1.6
21	1.1	7.9	4.8	4.2	4.5	9.3	13	19	21	5.2	.85	1.3
22	1.3	4.4	4.0	4.5	4.4	15	11	15	29	4.1	.76	1.6
23	1.3	9.5	3.2	4.5	4.2	18	21	12	34	3.0	.70	1.3
24	1.4	2.8	5.0	4.3	4.2	11	13	9.5	37	2.7	.67	1.1
25	5.0	12	8.5	4.4	4.2	9.3	12	8.3	24	2.4	.67	1.1
26	6.5	10	4.9	3.3	4.3	9.3	11	7.3	20	3.8	.63	1.1
27	2.7	4.0	6.7	2.8	4.3	7.7	9.2	6.6	16	2.4	.60	1.1
28	2.2	18	4.7	3.0	4.3	7.3	9.0	5.4	12	2.3	.61	1.1
29	1.8	11	3.7	3.7	9.6	7.2	7.2	4.8	10	1.8	.58	1.1
30	1.6	23	5.7	3.3	------	7.2	6.6	17	24	1.7	.56	1.5
31	1.4	------	10	3.0	------	7.3	------	17	------	1.8	.54	------
TOTAL	75.88	151.1	196.2	176.8	162.8	511.7	281.5	459.0	606.3	170.5	51.01	37.75
MEAN	2.45	5.04	6.33	5.73	5.62	16.5	9.38	14.8	20.2	5.50	1.65	1.26
MAX	16	23	16	12	18	43	21	41	87	17	9.1	4.6
MIN	.28	2.0	3.2	2.8	2.6	7.2	5.9	4.8	7.0	1.7	.54	.66
CFSM	.94	1.92	2.42	2.19	2.15	6.30	3.58	5.65	7.71	2.10	.63	.48
IN.	1.08	2.15	2.79	2.51	2.31	7.27	4.00	6.53	8.61	2.42	.72	.54

CAL YR 1971 TOTAL 1,714.07 MEAN 4.70 MAX 35 MIN .10 CFSM 1.79 IN 24.35
WTR YR 1972 TOTAL 2,881.96 MEAN 7.87 MAX 87 MIN .28 CFSM 3.00 IN 40.92

01194500 East Branch Eightmile River near North Lyme, Conn.

LOCATION.--Lat 41°25'40", long 72°20'05", New London County, on left bank at bridge on State Highway 156, 0.4 mile upstream from mouth, 1.1 miles north of North Lyme, 1.2 miles south of North Plain, and 5.5 miles upstream from mouth of Eightmile River.

DRAINAGE AREA.--22.3 sq mi (revised).

PERIOD OF RECORD.--September 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 54.21 ft above mean sea level. Prior to October 1, 1964, at datum 1.00 ft higher.

AVERAGE DISCHARGE.--35 years, 43.8 cfs (26.67 inches per year).

EXTREMES.--Current year: Maximum discharge 848 cfs June 19 (gage height, 5.32 ft); minimum 2.4 cfs Oct. 5,6 (gage height, 1.07 ft).

Period of record: Maximum discharge 2,950 cfs Sept. 21, 1938 (gage height, 7.00 ft), computed on basis of study of flow at contracted control section; no flow Sept. 3, 1938, result of regulation; minimum daily, about 0.03 cfs Oct. 2, 1941.

PEAK DISCHARGE.--(Base, 300 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-03	2030	4.65	595	5-15	1800	3.59	318
3-17	2300	4.51	553	6-19	1930	5.32	848
3-23	0600	3.71	342	6-23	0430	4.02	349
5-04	0830	4.04	425	6-30	2230	3.98	341

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	13	111	56	35	100	59	41	191	240	23	5.0
2	4.1	26	66	50	44	157	55	46	151	139	23	4.6
3	3.7	30	49	108	60	400	53	80	87	101	20	26
4	3.3	27	46	82	160	386	92	361	65	88	24	62
5	3.0	22	35	103	78	195	62	201	67	76	19	29
6	3.1	18	36	82	56	141	60	125	60	75	15	19
7	3.3	19	76	59	53	118	53	95	64	66	14	16
8	3.3	24	88	49	52	161	48	84	59	58	19	11
9	3.1	20	64	50	51	176	65	93	51	53	17	9.4
10	38	18	51	98	50	116	41	144	74	47	13	8.2
11	110	16	48	87	50	93	40	106	86	42	11	7.1
12	56	15	46	67	60	91	43	82	57	38	9.4	6.3
13	31	14	39	59	110	123	52	69	50	42	9.1	6.0
14	21	14	36	75	180	101	99	62	49	60	9.7	6.8
15	17	14	39	66	88	110	70	221	48	48	61	7.5
16	15	20	46	41	68	126	58	198	47	39	50	6.7
17	12	21	42	37	56	330	65	123	160	33	26	6.0
18	10	18	35	34	50	400	99	93	182	29	20	5.6
19	9.3	16	29	36	48	201	48	80	526	27	17	13
20	8.7	16	30	39	46	143	55	94	465	90	14	22
21	8.1	16	33	36	46	119	91	131	209	75	11	15
22	8.0	20	31	36	43	152	68	95	223	47	10	13
23	7.2	24	24	36	42	209	113	72	306	35	9.0	12
24	8.0	19	30	40	42	167	106	60	256	28	8.4	9.5
25	14	42	44	39	41	125	81	52	204	24	7.9	8.5
26	19	86	40	34	41	102	65	46	146	51	7.9	7.9
27	16	95	36	33	40	88	56	42	120	37	7.3	7.6
28	13	63	32	32	58	79	51	38	100	29	7.0	7.0
29	12	74	30	30	70	73	47	35	86	21	6.5	6.4
30	10	157	32	28	------	66	43	31	208	18	6.0	7.0
31	9.4	------	66	27	------	62	------	34	------	17	5.5	------
TOTAL	484.1	937	1,406	1,647	1,816	4,990	1,838	3,032	4,395	1,769	500.7	369.1
MEAN	15.6	31.2	45.3	53.1	62.6	161	61.3	97.8	147	57.1	16.2	12.3
MAX	110	157	111	108	180	400	113	361	526	240	61	62
MIN	3.0	13	24	27	35	62	40	31	47	17	5.5	4.6
CFSM	.70	1.40	2.03	2.38	2.81	7.22	2.75	4.39	6.59	2.56	.73	.55
IN.	.81	1.56	2.34	2.75	3.03	8.32	3.07	5.06	7.33	2.95	.84	.62

CAL YR 1971 TOTAL 13,409.2 MEAN 36.7 MAX 326 MIN 1.6 CFSM 1.65 IN 22.37
WTR YR 1972 TOTAL 23,181.9 MEAN 63.3 MAX 526 MIN 3.0 CFSM 2.84 IN 38.67

Reservoirs in Connecticut River basin

01185000. OTIS RESERVOIR.--Lat 42°09'35", long 73°03'33", Berkshire County, Mass., on Fall River in West Branch Farmington River basin, 1 mile northeast of Cold Spring. Drainage area, 17.2 sq mi. Usable capacity, 780,000,000 cu ft. Records available, April 1913 to current year. Completed in 1865 for storage of water for power. Records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks.

01185850. COLEBROOK RIVER LAKE.--Lat 42°00'22", long 73°02'12", Hartford County, Conn., on West Branch Farmington River, 1.4 miles upstream from West Branch Reservoir, and 2.3 miles north of Riverton. Drainage area, 119 sq mi. Usable capacity, 4,253,000,000 cu ft. Records available June 1969 to current year. Completed in June 1969 for multi-purpose use. Records furnished by Corps of Engineers.

01185900. WEST BRANCH RESERVOIR.--Lat 41°59'22", long 73°01'15", Hartford County, Conn., on West Branch Farmington River, 2 miles west of Hartland, and 2 miles north of Riverton. Drainage area, 127 sq mi. Usable capacity 360,000,000 cu ft (revised). Records available, March 1960 to current year. Completed in April 1960 for future storage of water for municipal supply of Hartford. Presently used to compensate for water diverted from the river. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01186090. MAD RIVER DETENTION RESERVOIR.--Lat 41°55'53", long 73°05'33", Litchfield County, Conn., on Mad River in West Branch Farmington River basin, 1.4 miles northwest of Winsted. Drainage area, 18.3 sq mi. Usable capacity, 423,000,000 cu ft, including 8,000,000 cu ft storage in recreation pool. Records available, September 1964 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01186150. SUCKER BROOK RESERVOIR.--Lat 41°54'09", long 73°06'00", Litchfield County, Conn., at mouth of Sucker Brook, a tributary of Highland Lake in West Branch Farmington River basin, 2 miles southwest of Winsted. Drainage area, 3.50 sq mi. Usable capacity, 64,560,000 cu ft. Records available, February 1971 to current year. Completed in 1970 by Corps of Engineers for storage of water for flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01186160. HIGHLAND LAKE.--Lat 41°55'22", long 73°04'58", Litchfield County, Conn., at head of the Lake Stream, a tributary of Mad River in West Branch Farmington River basin, at Winsted, and 0.4 mile upstream from Mad River. Drainage area, 7.05 sq mi. Usable capacity, 142,800,000 cu ft based on lake survey by Conn. Board of Fisheries and Game. Records available, September 1936 to current year. Dam raised to its present crest elevation in 1875. Lake used for storage of water for power, recreation, and flood control. Capacity and contents figures computed by U.S. Geological Survey.

01187500. BARKHAMSTED RESERVOIR.--Lat 41°54'38", long 72°57'15", Litchfield County, Conn., on East Branch Farmington River, 1.25 miles south of Barkhamsted. Drainage area, 52.5 sq mi. Usable capacity, 4,050,000 cu ft. Records available October 1950 to current year. For period March 1940 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1939 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01187600. EAST BRANCH RESERVOIR.--Lat 41°52'49", long 72°57'30", Litchfield County, Conn., on East Branch Farmington River in Farmington River basin, 1 mile east of New Hartford. Drainage area, including Barkhamsted Reservoir, 61.2 sq mi. Usable contents, 393,000,000 cu ft. Records available October 1950 to current year. For period, August 1928 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1919 for storage of water to compensate for water diverted from the river for municipal supply of Hartford. Since the construction of West Branch Reservoir in April 1960, it has been used only for recreation. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01187900. NEPAUG RESERVOIR.--Lat 41°49'37", long 72°56'34", Litchfield County, Conn., on Nepaug River in Farmington River basin, 1.5 miles northwest of Collinsville. Drainage area, 31.6 sq mi. Usable capacity, 1,270,000,000 cu ft. Records available August 1928 to current year. Completed in 1918 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01188500. WHIGVILLE RESERVOIR.--Lat 41°44'08", long 72°57'02", Hartford County, Conn., on Whigville Brook in Pequabuck River basin, at Whigville. Drainage area, 4.10 sq mi. Usable capacity, 5,050,000 cu ft. Records available July 1928 to current year. Completed in 1908 for storage of water for municipal supply of New Britain. Records furnished by Board of Water Commissioners, New Britain, Conn.

Reservoirs in Connecticut River basin--continued

Month-end usable contents, in millions of cubic feet, water year October 1971 to September 1972

Date	Otis Reservoir	Colebrook River Lake	West Branch Reservoir	Mad River Detention Reservoir	Highland Lake	Sucker Brook Reservoir
Sept. 30, 1971.....	695.7	773	286	8.4	96.7	.1
Oct. 31............	352.0	565	309	8.4	84.6	.04
Nov. 30............	[illegible]	512	306	9.0	79.5	---
Dec. 31............	352.0	1,194	338	8.7	100.2	.6
Jan. 31, 1972	352.0	1,398	364	8.6	74.5	.2
Feb. 29............	364.3	1,398	336	8.6	77.8	.2
Mar. 31............	444.7	1,981	364	8.9	107.3	.2
Apr. 30............	553.0	2,299	374	8.9	125.6	.5
May 31............	703.3	2,240	374	8.6	133.2	.2
June 30............	695.7	2,714	374	---	129.4	4.7
July 31............	695.7	2,037	370	---	123.7	.2
Aug. 31............	684.2	1,778	319	8.4	98.5	---
Sept. 30............	680.3	820	308	8.4	59.7	.04

Date	Barkhamsted Reservoir	East Branch Reservoir	Nepaug Reservoir	Whigville Reservoir
Sept. 30, 1971.....	3,620	247	1,257	3.1
Oct. 31............	3,575	211	1,267	3.7
Nov. 30............	3,607	236	1,269	5.0
Dec. 31............	3,970	292	1,269	5.0
Jan. 31, 1972......	4,054	393	1,269	4.7
Feb. 29............	4,054	358	1,269	5.0
Mar. 31............	4,054	393	1,269	5.0
Apr. 30............	4,054	393	1,269	5.0
May 31............	4,054	393	1,269	5.0
June 30............	4,054	393	1,269	5.0
July 31............	4,000	393	1,240	4.4
Aug. 31............	3,940	341	1,240	3.1
Sept. 30............	3,800	325	1,161	3.0

01195200 Heck River near Madison, Conn.

LOCATION.--Lat 41°16'57", long 72°37'11", New Haven County, on left bank just upstream from culvert on Fort Path Road, 1.2 miles west of Madison, and 3.5 miles upstream from mouth.

DRAINAGE AREA.--6.55 sq mi (revised).

PERIOD OF RECORD.--September 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8.93 ft above mean sea level.

AVERAGE DISCHARGE.--11 years, 10.6 cfs (22.00 inches per year).

EXTREMES.--Current year: Maximum discharge 462 cfs June 19 (gage height, 5.71 ft); minimum 0.39 cfs Oct. 9, (gage height, 0.77 ft).
Period of record: Maximum discharge 322 cfs Apr. 2, 1970 (gage height, 4.58 ft); no flow Sept. 24, 26, 27, 1964, August 1, 1965.

PEAK DISCHARGE.--(Base, 60 cfs):

DATE	TIME	G.HT	DISCHARGE
3-03	2400	3.06	104
3-18	0230	3.07	105
5-04	1200	3.07	105
6-19	1930	5.71	462

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	1.4	31	14	3.6	20	12	11	70	50	8.6	1.3
2	.62	7.6	17	11	3.5	20	12	12	45	33	8.1	1.2
3	.61	12	11	17	4.6	61	12	19	27	26	4.3	2.6
4	.50	11	8.7	17	22	82	13	90	19	26	25	3.0
5	.47	7.4	7.0	23	18	43	17	53	19	21	18	1.9
6	.48	4.9	7.0	20	13	29	16	30	23	20	7.3	1.6
7	.50	3.9	21	14	9.3	23	13	22	23	18	5.0	1.5
8	.46	4.1	20	11	7.4	32	12	19	19	16	5.1	1.3
9	.40	4.0	19	9.2	7.1	38	10	22	13	15	4.2	1.3
10	6.4	3.3	14	19	6.9	26	9.5	31	14	13	3.1	1.2
11	23	2.7	12	21	6.5	19	9.5	23	16	11	2.3	1.5
12	15	2.4	11	17	6.2	20	9.0	18	12	10	2.0	1.5
13	5.5	2.2	9.6	15	9.9	25	15	15	9.5	13	2.1	1.4
14	2.5	1.9	8.3	17	26	22	33	13	8.9	22	2.1	1.9
15	1.8	1.9	8.9	16	22	25	23	32	8.8	17	10	2.3
16	1.6	2.1	11	9.7	16	28	17	35	6.0	12	8.3	1.8
17	1.3	2.3	9.9	6.3	12	65	19	21	72	10	3.0	1.6
18	1.1	2.1	8.1	5.8	10	87	17	17	67	9.1	2.9	2.1
19	1.1	1.9	6.2	6.8	9.8	65	13	14	290	8.9	2.7	7.8
20	.86	2.1	6.8	8.2	9.6	29	10	26	251	26	2.4	8.3
21	.87	2.2	8.1	10	9.4	26	80	40	87	22	2.0	3.6
22	.90	2.2	7.3	10	9.1	28	23	26	78	14	1.8	2.8
23	.86	2.3	5.0	10	8.8	49	36	17	163	9.9	1.8	2.8
24	.91	2.0	5.6	10	8.6	36	32	16	140	7.8	1.7	2.2
25	2.4	8.0	7.7	9.7	8.4	26	23	15	86	6.5	1.8	2.0
26	4.0	15	7.8	7.9	8.3	20	18	14	47	6.7	1.6	1.9
27	3.5	15	7.3	5.4	8.2	18	15	14	35	4.7	1.6	1.8
28	4.1	16	6.7	4.8	8.1	16	13	13	29	3.9	1.5	2.2
29	1.6	18	6.1	4.2	8.0	14	12	12	25	3.1	1.5	1.9
30	1.4	41	7.0	4.5	------	14	11	12	39	2.6	1.3	2.0
31	1.2	------	16	4.1	------	13	------	25	------	2.5	1.3	------
TOTAL	84.60	207.3	340.1	358.6	302.3	999	511.0	725	1,725.2	493.7	142.0	70.3
MEAN	2.73	6.90	11.0	11.6	10.4	32.2	17.1	23.4	57.5	16.0	4.61	2.34
MAX	23	41	31	23	28	87	36	90	290	50	29	8.3
MIN	.40	1.6	5.0	4.1	3.5	13	9.5	11	8.8	2.5	1.3	1.2
CFSM	.42	1.05	1.68	1.77	1.59	4.92	2.61	3.57	8.78	2.23	.70	.36
IN.	.48	1.18	1.93	2.04	1.72	5.67	2.91	4.12	9.80	2.58	.81	.40

CAL YR 1971 TOTAL 3,388.02 MEAN 9.28 MAX 84 MIN .27 CFSM 1.42 IN 19.26
WTR YR 1972 TOTAL 5,920.40 MEAN 16.2 MAX 290 MIN .40 CFSM 2.47 IN 33.62

QUINNIPIAC RIVER BASIN

01196500 Quinnipiac River at Wallingford, Conn.

LOCATION.--Lat 41°26'58", long 72°50'29", New Haven County, on right bank on Wilbur Cross Highway, 0.8 miles downstream from Quinnipiac Street bridge in Wallingford, and 2 miles upstream from Wharton Brook.

DRAINAGE AREA.--110 sq mi (revised).

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder and timber control. Datum of gage is 19.24 ft above mean sea level. Prior to Jan. 27, 1965, at datum 1.00 ft higher.

AVERAGE DISCHARGE(adjusted for storage and diversion since October 1960).--42 years, 200 cfs (24.92 inches per year).

EXTREMES.--Current year: Maximum discharge 2,500 cfs Mar 4 (gage height, 8.94 ft); minimum 78 cfs Sept. 24 (gage height, 1.09 ft).

Period of record: Maximum discharge 5,230 cfs Sept. 21, 1938 (gage height, 10.55 ft, present datum), by computation of flow over dam 1 mile upstream; minimum 8 cfs Nov. 2, 1930.

PEAK DISCHARGE.--(Base, 900 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-04	0330	8.94	2,500	6-19	1830	8.07	1,920
3-17	0630	8.10	1,940	6-24	0730	6.80	1,350
3-22	2230	6.02	1,070	7-01	0900	7.78	1,870
4-01	0630	6.82	1,430				

REMARKS.--Records good. Flow regulated by Wolcott Reservoir (see p. 88), and by mills upstream. Diversion from Wolcott Reservoir and Patton Brook for municipal supply of city of New Britain. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	176	576	367	147	366	296	233	1,170	1,610	214	97
2	103	209	367	313	147	632	290	241	890	890	197	108
3	97	224	[illegible]	399	167	1,570	296	295	628	522	174	122
4	95	210	251	382	548	2,150	296	638	336	492	168	108
5	95	187	215	376	500	893	319	522	376	366	153	99
6	123	163	157	376	287	566	357	350	306	376	141	98
7	104	193	446	376	376	666	287	295	296	366	202	94
8	93	199	534	345	156	518	269	306	276	327	226	95
9	95	178	676	223	147	566	253	350	262	347	176	93
10	493	148	357	348	176	396	267	302	586	271	153	88
11	456	165	306	377	177	336	341	320	460	260	150	84
12	453	159	266	313	167	396	267	296	301	291	136	89
13	266	166	266	384	343	696	323	259	262	470	150	89
14	301	136	383	396	655	618	306	241	269	532	166	121
15	168	137	267	266	676	306	313	516	261	960	242	113
16	155	151	266	323	326	400	377	539	239	275	196	90
17	161	151	323	301	257	1,450	306	672	490	272	156	91
18	135	163	267	264	230	1,930	290	366	516	297	140	87
19	185	156	220	267	241	1,093	356	296	1,420	256	135	117
20	188	136	209	204	237	658	326	300	1,050	420	126	103
21	153	176	219	300	212	490	436	402	619	302	121	90
22	117	154	203	303	275	623	350	346	586	256	117	90
23	119	127	187	269	153	1,010	466	295	820	227	115	89
24	126	134	207	307	135	723	427	269	1,200	218	115	90
25	215	159	239	209	106	502	350	266	1,000	203	130	80
26	220	141	397	197	157	676	296	270	635	200	136	86
27	165	177	235	176	156	396	275	219	930	193	126	85
28	161	166	207	167	300	356	260	208	426	196	121	86
29	167	176	213	163	241	350	257	197	366	176	116	83
30	191	253	223	168	------	293	261	190	1,150	168	108	87
31	191	------	313	183	------	336	------	196	------	172	103	------
TOTAL	5,297	5,830	8,667	7,716	7,550	20,829	9,151	10,420	17,676	11,063	4,648	2,841
MEAN	171	194	279	249	260	672	305	336	589	357	150	94.7
MAX	456	253	676	399	655	2,150	466	638	1,420	1,610	242	122
MIN	93	127	157	153	106	293	261	190	239	168	103	80
(†)	-0.7	+2.7	+1.0	+0.0	0	0	0	0	0	0	-0.4	-5.0
MEAN ‡	170	197	281	249	260	672	305	336	589	357	150	89.7
CFSM ‡	1.55	1.79	2.55	2.26	2.36	6.11	2.77	3.05	5.35	3.24	1.36	0.82
IN ‡	1.79	2.00	2.94	2.61	2.54	7.04	3.09	3.52	5.97	3.74	1.57	0.92

CAL YR 1971 TOTAL 71,283 MEAN 195 MAX 890 MIN 43 MEAN ‡ 196 CFSM ‡ 1.78 IN ‡ 24.16
WTR YR 1972 TOTAL 111,584 MEAN 305 MAX 2,150 MIN 80 MEAN ‡ 305 CFSM ‡ 2.77 IN ‡ 37.60

†Change in contents in Wolcott Reservoir, equivalent in cubic feet per second.

‡Adjusted for storage.

01196500 Muddy River near North Haven, Conn.

LOCATION.--Lat 41°22'07", long 72°50'31", New Haven County, on left bank at downstream side of bridge on Velvet Street, 2 miles southeast of North Haven, and 3 miles upstream from mouth.

DRAINAGE AREA.--18.0 sq mi (revised).

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.58 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--10 years, 27.9 cfs (21.05 inches per year)

EXTREMES.--Current year: Maximum discharge 989 cfs June 19 (gage height, 3.37 ft); minimum daily discharge 3.4 cfs Sept. 2.

Period of record:--Maximum discharge 1,300 cfs Feb. 3,1970 (backwater from ice); maximum gage height, 4.64 ft Feb. 12, 1963; minimum discharge 0.10 cfs Sept. 10, 1963; minimum gage height, 0.36 ft July 28, 1964.

PEAK DISCHARGE.--(Base, 400 cfs):

DATE	TIME	G.HT	DISCHARGE
3-17	1030	2.51	475
6-19	1030	3.37	989
6-24	0600	2.50	470
6-30	0930	2.55	495

REMARKS.--Records good except for periods of missing record, which are fair. Diversion upstream for municipal supply of city of Wallingford.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	21	49	29	11	70	37	27	212	131	15	3.7
2	9.8	34	49	60	11	120	37	30	97	91	13	3.4
3	11	27	39	73	15	220	36	77	75	85	15	7.6
4	11	22	36	48	86	166	35	157	60	82	15	8.6
5	9.7	15	32	70	70	86	43	70	72	67	12	6.6
6	8.7	13	33	46	45	57	33	57	52	63	12	4.7
7	8.6	26	112	32	33	48	35	52	53	51	35	4.3
8	7.9	23	86	29	28	82	27	48	41	47	41	3.9
9	7.3	15	56	36	26	63	25	73	38	40	18	3.7
10	123	14	46	62	25	39	22	66	123	36	14	3.5
11	86	16	43	46	26	36	22	49	67	31	12	4.2
12	33	13	39	37	23	43	21	42	46	27	17	4.2
13	21	13	36	33	40	51	46	38	41	88	5.0	4.0
14	18	13	32	39	120	41	56	36	38	75	8.2	4.7
15	18	13	36	32	60	42	31	120	36	39	28	6.6
16	17	15	37	45	60	56	31	68	43	32	23	5.6
17	16	13	33	131	47	334	39	51	170	31	15	4.5
18	15	12	29	65	40	209	26	40	86	31	9.0	5.6
19	14	12	26	19	37	131	22	37	699	27	7.0	7.2
20	13	13	26	20	36	92	51	52	335	65	7.0	9.1
21	14	13	23	21	35	70	47	83	201	33	6.0	5.0
22	13	13	22	21	36	112	36	51	235	20	5.2	5.0
23	12	11	20	22	33	141	77	40	261	23	5.0	4.2
24	15	11	27	22	52	83	52	35	369	20	4.8	4.6
25	30	39	34	21	31	67	39	32	156	16	4.6	5.7
26	16	28	26	16	30	57	32	27	169	16	4.5	4.5
27	16	23	23	15	30	49	32	26	116	13	4.5	4.9
28	16	85	20	13	29	46	32	25	88	15	4.2	4.9
29	13	61	18	12	29	40	31	25	76	13	4.2	4.6
30	12	151	27	12	------	38	29	21	276	13	3.7	4.8
31	13	------	61	11	------	39	------	47	------	16	3.7	------
TOTAL	637.0	776	1,190	1,100	1,116	2,729	1,070	1,706	4,306	1,339	373.6	152.7
MEAN	20.5	25.9	38.4	35.5	38.6	88.0	35.7	55.1	144	43.2	12.0	5.09
MAX	123	151	112	131	120	334	77	157	699	131	41	9.1
MIN	7.3	11	18	11	11	36	21	21	36	13	3.7	3.4
(q)	+1.1	+1.2	+1.2	+1.2	+1.2	+1.1	+1.4	+0.9	+1.1	+1.2	+1.3	+1.07
MEAN ●	21.6	27.0	39.6	36.7	39.8	89.1	37.1	56.0	145	44.4	13.3	6.16
CFSM ●	1.20	1.50	2.20	2.04	2.21	4.95	2.06	3.11	8.06	2.47	0.74	0.34
IN ●	1.38	1.67	2.46	2.28	2.38	5.52	2.30	3.59	8.99	2.76	0.83	0.38

CAL YR 1971 TOTAL 10,416.7 MEAN 28.5 MAX 466 MIN 1.9 MEAN ● 32.2 CFSM ● 1.79 IN ● 24.32
WTR YR 1972 TOTAL 16,497.1 MEAN 45.1 MAX 699 MIN 3.4 MEAN ● 46.3 CFSM ● 2.57 IN ● 34.98

NOTE.-- No gage height record August 13 to September 20. Doubtful gage height record January 27 to February 29.

Diversion for municipal supply of city of Wallingford from Pine River Reservoir, equivalent in cubic feet per second, records furnished by Water Division, town of Wallingford.

●Adjusted for diversion.

QUINNIPIAC RIVER BASIN

Reservoir in Quinnipiac River basin

01195800. WOLCOTT RESERVOIR.--Lat 41°35'35", long 72°56'08", New Haven County, on Roaring Brook in Eightmile River basin, 2.1 miles northeast of Wolcott. Drainage area, 2.45 sq mi. Completed in 1904 for storage of water for municipal supply of city of New Britain. Usable capacity, 22,700,000 cu ft. Records available, September 1960 to current year. Records furnished by Board of Water Commissioners, New Britain, Conn.

Month-end usable contents, in millions of cubic feet, water year October 1971 to September 1972

Date	Wolcott Reservoir
Sept. 30, 1971	12.8
Oct. 31	9.0
Nov. 30	15.9
Dec. 31	20.6
Jan. 31, 1972	22.7
Feb. 29	22.7
Mar. 31	22.7
Apr. 30	22.7
May 31	22.7
June 30	22.7
July 31	22.7
Aug. 31	21.8
Sep. 30	8.0

01198800 Hollenbeck River at Huntsville, Conn.

LOCATION.--Lat 41°56'55", long 73°19'18", Litchfield County, at bridge on State Highway 63, 0.5 mile northwest of Huntsville.

DRAINAGE AREA.--18.1 sq mi (revised).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1966-67. October 1, 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 649.57 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 352 cfs July 3 (gage height, 9.36 ft); minimum 1.3 cfs Sept. 7.
Period of record: Maximum discharge 352 cfs July 3, 1972 (gage height, 9.36 ft); minimum, 1.3 cfs Sept. 7, 1972.

PEAK DISCHARGE.--(Base, 200 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-08	0230	7.13	202	5-16	0930	7.73	255
2-14	0100	7.52	240	6-01	0800	7.67	240
3-03	1300	7.05	215	6-10	0400	8.28	278
3-18	0200	7.63	247	6-24	0700	8.03	260
3-23	0030	8.23	280	6-30	1500	7.99	257
4-17	0600	7.57	246	7-03	0030	9.36	352
4-20	1730	7.91	262				

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	10	83	40	23	46	59	49	204	181	12	4.3
2	7.5	18	59	38	22	122	72	50	100	112	14	4.4
3	7.1	22	46	69	23	198	61	57	61	172	12	4.6
4	6.9	23	36	45	55	114	53	126	53	258	10	4.0
5	6.6	17	29	44	42	72	48	97	95	174	9.2	3.6
6	6.2	14	29	52	34	61	48	65	56	139	8.2	3.2
7	6.2	25	144	40	33	55	49	54	133	107	7.9	3.0
8	7.1	34	159	33	33	56	42	49	74	87	12	2.9
9	6.0	24	87	35	31	56	41	76	80	81	10	2.7
10	54	19	87	111	28	50	43	68	255	67	8.4	2.4
11	109	18	143	82	27	43	46	56	150	64	7.2	2.5
12	50	18	115	67	27	36	51	49	99	49	6.7	2.9
13	27	16	76	57	68	41	107	44	79	70	6.8	2.6
14	19	15	57	102	190	40	140	40	67	82	7.1	4.3
15	16	14	53	59	80	63	104	102	58	54	34	4.5
16	17	17	66	65	68	43	99	227	53	43	19	3.6
17	18	16	58	52	48	178	249	115	55	41	11	3.3
18	11	14	46	48	40	242	159	71	45	34	9.3	3.6
19	10	14	45	46	44	124	130	59	67	28	8.8	4.4
20	10	15	33	38	48	78	233	64	72	25	7.4	5.4
21	9.6	13	33	36	43	68	216	72	55	28	6.8	4.5
22	9.6	15	31	33	41	165	125	54	149	27	6.5	4.0
23	9.5	12	39	29	39	250	190	45	192	21	6.2	4.2
24	10	11	35	36	38	143	156	39	242	18	5.9	4.2
25	18	19	49	52	37	92	110	37	201	15	5.5	4.2
26	18	23	37	61	37	74	83	32	201	13	5.0	4.1
27	16	14	37	41	37	62	70	30	147	12	5.0	4.7
28	13	29	38	30	36	56	61	26	104	11	22	4.7
29	12	36	35	27	36	61	56	23	79	10	10	4.9
30	11	155	32	26	------	68	52	21	196	9.4	6.2	7.2
31	10	------	35	24	------	55	------	68	------	9.5	5.0	------
TOTAL	539.0	690	1,851	1,518	1,307	2,812	2,953	1,963	3,422	2,041.9	305.1	120.4
MEAN	17.4	23.0	59.7	49.0	45.1	90.7	98.4	63.3	114	65.9	9.84	4.01
MAX	109	155	159	111	190	250	249	227	255	258	34	7.2
MIN	6.0	10	29	24	22	36	41	21	45	9.4	5.0	2.4
CFSM	.96	1.27	3.30	2.71	2.49	5.01	5.44	3.50	6.30	3.64	.54	.22
IN.	1.11	1.42	3.80	3.12	2.69	5.78	6.07	4.03	7.03	4.20	.63	.25

CAL YR 1971 TOTAL 11,831.0 MEAN 32.4 MAX 201 MIN 2.4 CFSM 1.79 IN 24.32
WTR YR 1972 TOTAL 19,522.4 MEAN 53.3 MAX 258 MIN 2.4 CFSM 2.94 IN 40.12

01198851 Wangum Lake Brook near Huntsville, Conn.

LOCATION.--Lat 41°56'36", long 73°17'08", Litchfield County, on left bank, 10 ft downstream from Under Mountain Road, 1.5 miles northeast of Huntsville.

DRAINAGE AREA.--5.32 sq mi.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder and V-notch weir. Datum of gage is 678.46 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 640 cfs July 3 (gage height, 4.47 ft); minimum 0.61 cfs Oct. 9, 10.
Period of record: Maximum discharge 640 cfs July 3, 1972 (gage height, 4.47 ft); minimum 0.01 cfs Aug. 19, 1971.
Periods of no flow were observed in the summer of 1970.

PEAK DISCHARGE.--(Base, 35 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-07	2200	2.85	68	06-01	0300	2.79	61
03-17	2300	2.91	75	06-10	0330	3.34	150
03-22	2230	3.48	185	06-24	0430	3.26	132
04-16	2300	3.21	122	06-30	1030	3.13	104
04-20	1230	3.63	229	07-03	1700	4.47	640
05-16	0530	3.15	108				

REMARKS.--Records good, except for period of missing record, which is fair. No gage-height record July 20 to Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	2.3	20	11	3.5	10	13	13	41	38	3.0	1.5
2	1.3	3.9	13	16	3.4	20	14	11	23	28	3.1	1.4
3	1.2	4.4	12	19	3.3	33	12	15	16	85	2.7	1.3
4	.98	4.4	9.5	13	14	23	10	26	14	60	2.5	1.2
5	.90	3.7	11	12	11	22	9.3	24	24	40	2.3	1.2
6	.80	3.3	9.0	10	7.0	16	8.8	18	17	24	2.1	1.1
7	.77	4.8	40	9.0	5.0	24	8.0	15	25	19	2.0	1.0
8	.73	4.4	42	8.0	4.3	29	8.2	14	18	15	2.6	1.0
9	.58	4.1	25	7.0	3.5	15	7.9	22	24	12	3.0	.94
10	19	3.6	28	26	3.2	13	7.6	19	81	11	2.3	.90
11	26	3.4	51	23	2.8	9.1	8.0	16	32	9.2	2.1	.99
12	15	3.5	30	21	2.8	9.2	10	14	22	8.5	1.9	.97
13	9.2	3.5	32	21	19	9.8	26	11	17	11	1.9	.84
14	6.8	3.9	17	37	20	11	30	10	14	9.0	3.5	1.4
15	5.5	3.7	15	17	10	12	23	23	12	7.7	6.0	1.1
16	4.7	4.2	19	17	12	11	33	60	11	6.7	4.0	1.3
17	3.8	3.8	16	36	10	40	66	31	11	5.9	2.6	.94
18	3.5	3.4	12	19	9.0	39	81	29	9.1	5.4	1.8	1.0
19	3.2	3.0	9.3	10	11	24	47	19	13	5.1	1.7	2.2
20	3.1	2.9	9.4	9.1	19	19	127	21	12	5.1	1.5	1.4
21	2.9	2.7	9.4	8.7	11	18	64	20	12	5.0	1.1	1.3
22	2.7	2.6	7.5	8.1	9.0	61	68	18	35	5.2	.90	.70
23	2.5	2.4	6.9	7.7	8.0	60	55	14	40	4.8	.65	.90
24	2.9	2.2	11	8.4	6.0	30	42	12	81	4.5	.70	.79
25	4.6	2.7	10	12	5.7	23	32	11	69	4.2	.70	.74
26	3.9	4.0	9.9	13	4.9	18	27	9.1	55	3.7	.70	.74
27	3.2	4.9	9.6	10	4.6	15	23	8.1	34	3.5	.90	.80
28	3.0	6.0	12	6.0	4.5	13	21	7.4	25	3.4	1.2	.78
29	2.9	12	9.6	5.0	4.5	14	19	6.5	20	3.2	1.0	.76
30	2.7	33	9.1	4.0	------	12	17	5.7	57	3.0	.90	.75
31	2.4	------	9.4	3.8	------	11	------	16	------	2.9	.80	------
TOTAL	142.26	149.7	522.5	418.9	227.1	660.1	868.9	532.8	877.1	448.6	62.15	31.22
MEAN	4.59	4.99	16.9	13.5	7.83	21.3	29.0	17.2	29.2	14.5	2.00	1.04
MAX	26	33	51	37	20	61	127	60	81	85	6.0	2.2
MIN	.58	2.2	6.9	3.8	2.8	9.1	7.6	5.7	9.1	2.9	.65	.74
CFSM	.86	.94	3.18	2.54	1.47	4.00	5.45	3.23	5.49	2.73	.38	.20
IN.	.99	1.04	3.65	2.94	1.59	4.62	6.08	3.73	6.13	3.14	.43	.22

CAL YR 1971 TOTAL 3,065.53 MEAN 8.40 MAX 79 MIN .01 CFSM 1.58 IN 21.44
WTR YR 1972 TOTAL 4,941.13 MEAN 13.5 MAX 127 MIN .58 CFSM 2.54 IN 34.55

01198860 Deming Brook near Huntsville, Conn.

LOCATION.--Lat 41°57'52", long 73°18'07", Litchfield County, on left bank, 20 ft downstream from Under Mountain Road, 0.60 mile upstream from mouth, and 1.5 miles northeast of Huntsville.

DRAINAGE AREA.--1.08 sq mi.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 782.51 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 54 cfs June 10 (gage height, 1.84 ft); minimum 0.06 cfs Sept. 8,10,13 (gage height, 1.08 ft).

Period of record: Maximum discharge 54 cfs June 10, 1972 (gage height 1.84 ft); minimum 0.02 cfs July 16-18, 20,22,28, 1971 (gage height 1.08 ft).

PEAK DISCHARGE.--(Base 13 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-10	1730	1.61	17	04-20	1400	1.80	46
12-07	2200	1.59	15	05-16	Unkwn	1.74	35
03-02	2300	1.61	17	05-31	Unkwn	1.65	22
03-18	0100	1.66	23	06-10	Unkwn	1.84	54
03-22	2100	1.81	48	06-26	Unkwn	--	40
04-17	0030	1.68	26	07-04	Unkwn	--	34

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.26	.58	3.4	1.6	.65	1.5	3.7	2.4	5.5	12	.42	.09
2	.21	1.6	2.0	2.2	.67	7.8	4.2	2.4	4.5	6.0	.36	.09
3	.21	1.6	1.6	4.4	.77	12	3.2	5.7	3.4	4.3	.29	.08
4	.21	1.2	1.5	2.8	1.6	4.4	2.8	7.0	2.8	17	.25	.09
5	.18	.88	1.2	2.6	1.7	3.8	2.5	4.4	6.7	9.0	.21	.07
6	.19	.72	1.3	2.0	1.0	2.6	2.4	3.3	5.4	6.0	.19	.07
7	.23	2.0	12	1.8	.88	2.3	2.3	3.0	5.0	4.5	.24	.08
8	.22	2.0	9.8	1.4	.81	3.3	2.1	2.9	4.5	3.5	.43	.07
9	.18	1.2	4.9	1.5	.74	2.6	2.0	2.5	4.4	2.9	.21	.09
10	3.8	.98	6.9	6.9	.70	2.0	2.1	5.4	24	2.4	.16	.07
11	8.4	.98	13	6.3	.65	1.6	2.3	4.5	15	1.9	.30	.07
12	3.1	.86	6.3	4.9	.60	1.8	2.9	3.5	8.0	1.6	.60	.07
13	1.8	.79	4.1	4.4	1.9	2.6	6.9	3.0	5.0	1.4	1.0	.09
14	1.3	.73	3.1	7.4	4.6	2.4	8.2	2.3	3.1	2.0	2.0	.10
15	1.1	.80	2.8	2.8	3.1	2.0	5.8	5.0	2.5	1.6	3.3	.10
16	.88	.98	4.9	1.8	3.1	1.8	7.3	14	2.3	1.3	.68	.09
17	.79	.74	3.4	1.5	1.8	8.9	14	7.4	2.4	1.1	.39	.13
18	.70	.69	2.4	1.3	1.7	12	7.3	5.0	2.0	.95	.39	.11
19	.60	.66	1.6	1.4	1.6	6.1	7.4	3.1	1.8	.81	.57	.27
20	.60	.81	1.9	1.5	1.4	3.6	24	2.5	2.2	.65	.28	.16
21	.52	.70	1.8	1.5	1.5	3.3	9.4	2.2	2.1	.59	.20	.11
22	.50	.66	1.5	1.3	1.2	12	6.5	2.0	2.1	.53	.17	.11
23	.50	.50	1.2	1.3	1.1	14	10	1.8	5.4	.47	.09	.09
24	.47	.42	2.4	1.5	1.2	6.0	7.2	1.6	10	.42	.09	.09
25	1.5	.36	2.8	2.9	1.1	4.1	5.2	1.4	18	.39	.09	.10
26	1.1	.69	2.2	1.8	.98	3.4	4.2	1.3	21	.35	.09	.13
27	.98	.75	2.2	1.2	.92	2.9	3.6	1.1	10	.32	.10	.11
28	.79	1.2	2.8	.98	.90	2.7	3.1	1.0	7.0	.29	.13	.10
29	.69	2.2	2.4	.93	.99	3.3	2.7	.95	4.5	.27	.10	.09
30	.60	8.4	2.0	.86	------	3.6	2.5	2.4	3.5	.25	.11	.23
31	.53	------	1.8	.80	------	2.8	------	13	------	.29	.10	------
TOTAL	33.24	36.68	111.5	75.57	39.81	142.9	167.8	118.35	194.1	85.08	13.54	3.38
MEAN	1.07	1.22	3.60	2.44	1.37	4.61	5.59	3.82	6.47	2.74	.44	.11
MAX	8.4	8.4	13	7.4	4.6	14	24	14	24	17	3.3	.27
MIN	.18	.36	1.2	.80	.60	1.5	2.0	.95	1.8	.25	.09	.07
CFSM	.99	1.13	3.33	2.26	1.27	4.27	5.18	3.54	5.99	2.54	.41	.10
IN.	1.14	1.26	3.84	2.60	1.37	4.92	5.78	4.08	6.69	2.93	.47	.11

CAL YR 1971 TOTAL 614.20 MEAN 1.68 MAX 13 MIN .02 CFSM 1.56 IN 21.16
WTR YR 1972 TOTAL 1,021.55 MEAN 2.79 MAX 24 MIN .07 CFSM 2.58 IN 35.19

01198870 Ledgy Brook near Huntsville, Conn.

LOCATION.--Lat 41°58'02", long 73°18'26", Litchfield County, on left upstream wingwall, at bridge on Under Mountain Road, 0.55 mile upstream from mouth, and 1.6 miles northeast of Huntsville.

DRAINAGE AREA.--0.66 sq mi.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder, and timber dam and V-notch weir. Datum of gage is 765.38 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 37 cfs Mar. 22 (gage height, 2.28 ft); minimum 0.02 cfs many days in September.

PEAK DISCHARGE.--(Base 6.0 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-10	1630	2.11	16	3-22	1530	2.28	37	5-31	1830	2.37	14
11-30	0030	2.04	11	4-13	1430	2.23	8.9	6-09	2130	2.66	33
12-7	0600	2.10	15	4-16	1930	2.34	13	6-25	1430	2.58	27
12-11	1030	2.07	13	4-20	0930	2.55	24	6-30	1000	2.27	10
3-02	2200	2.11	16	5-16	0400	2.22	8.6	7-03	1800	2.53	23
3-17	2230	2.16	21								

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	.22	3.1	.71	.46	1.1	1.7	1.2	4.8	3.6	.20	.02
2	.15	.49	1.6	1.8	.43	7.4	2.0	1.2	2.0	2.2	.16	.02
3	.15	.60	1.2	2.8	.46	6.5	1.7	1.5	1.4	9.0	.12	.02
4	.13	.53	.85	1.6	1.1	3.0	1.3	3.0	2.0	6.9	.10	.02
5	.13	.42	.69	1.3	.68	2.0	1.3	3.0	2.6	3.2	.08	.02
6	.12	.35	.86	1.1	.58	1.3	1.2	2.0	2.2	2.4	.08	.02
7	.11	.98	7.2	.92	.53	1.2	1.2	1.6	2.5	1.8	.09	.02
8	.10	.97	5.2	.78	.48	1.7	1.1	1.5	1.6	1.4	.10	.02
9	.10	.64	3.2	1.0	.45	1.2	1.0	1.4	10	1.2	.08	.02
10	1.2	.55	3.9	5.0	.43	1.0	1.0	2.7	9.3	.96	.06	.02
11	7.8	.49	6.4	5.0	.40	.94	1.1	2.2	3.4	.84	.05	.02
12	2.6	.44	3.4	3.8	.39	1.1	1.4	1.7	2.5	.72	.05	.02
13	1.1	.42	2.4	3.4	1.7	1.1	5.0	1.4	2.2	1.1	.05	.02
14	.79	.36	1.7	5.4	3.0	1.1	5.3	1.2	1.8	.95	.11	.03
15	.63	.37	1.3	2.5	1.7	1.0	3.1	2.5	1.5	.68	.41	.03
16	.51	.45	2.4	1.4	1.7	.98	5.9	7.7	1.3	.55	.13	.03
17	.41	.40	1.9	1.1	1.1	7.8	5.9	2.6	1.2	.49	.09	.03
18	.35	.38	1.2	.91	.91	6.7	5.0	2.0	.92	.41	.08	.03
19	.31	.39	.83	.91	.93	3.1	4.5	1.7	1.2	.38	.09	.03
20	.28	.40	.81	.83	.73	2.3	9.2	2.2	1.1	.35	.06	.06
21	.27	.37	.76	.75	.72	2.1	5.8	1.9	1.1	.31	.05	.03
22	.25	.35	.61	.70	.67	7.8	3.5	1.5	4.6	.28	.04	.03
23	.23	.30	.54	.70	.63	3.9	4.0	1.2	5.0	.24	.04	.03
24	.26	.28	.92	.73	.65	3.0	4.5	1.0	9.2	.22	.03	.03
25	.36	.34	1.3	1.3	.60	2.2	3.0	.85	11	.20	.03	.03
26	.33	.34	1.1	.95	.59	1.8	2.3	.75	6.8	.18	.03	.04
27	.29	.36	.95	.71	.56	1.5	2.0	.66	3.5	.17	.04	.03
28	.27	.55	1.3	.64	.57	1.4	1.7	.59	2.3	.16	.04	.03
29	.24	1.7	1.3	.57	.60	1.5	1.5	.51	1.7	.14	.03	.03
30	.22	5.5	1.0	.55	------	1.8	1.3	.53	6.6	.12	.03	.03
31	.21	------	.76	.50	------	1.4	------	6.6	------	.14	.03	------
TOTAL	20.07	19.94	60.68	50.36	23.75	80.92	88.7	60.39	107.32	41.29	2.58	.81
MEAN	.65	.66	1.96	1.62	.82	2.61	2.96	1.95	3.58	1.33	.083	.027
MAX	7.8	5.5	7.2	5.4	3.0	7.8	9.2	7.7	11	9.0	.41	.06
MIN	.10	.22	.54	.50	.39	.94	1.0	.51	.92	.12	.03	.02
CFSM	.98	1.00	2.97	2.45	1.24	3.95	4.48	2.95	5.42	2.02	.13	.04
IN.	1.13	1.12	3.42	2.84	1.34	4.56	5.00	3.40	6.05	2.33	.15	.05

CAL YR 1971 TOTAL 412.89 MEAN 1.13 MAX 8.0 MIN .01 CFSM 1.71 IN 23.27
WTR YR 1972 TOTAL 556.81 MEAN 1.52 MAX 11 MIN .02 CFSM 2.30 IN 31.38

01198880 Wangum Lake Brook near South Canaan, Conn.

LOCATION.--Lat 41°57'42", long 73°18'52", Litchfield County, right bank just downstream from Barnes Road, 1.1 miles east of South Canaan.

DRAINAGE AREA.--10.1 sq mi.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 646.35 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 137 cfs July 4 (gage height, 6.55 ft); minimum, 0.5 cfs Aug. 25.
Period of record. Maximum discharge 137 cfs July 4, 1972 (gage height, 6.55 ft); minimum, 0.10 cfs July 28, 1971.

PEAK DISCHARGE.--(Base, 80 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-08	0500	5.71	97	5-16	1530	6.03	110
3-03	0030	5.86	102	6-01	1330	5.66	94
3-18	0030	6.09	113	6-10	1030	6.26	122
3-22	2400	6.44	131	6-26	0200	6.25	122
4-20	1800	6.37	128	7-04	0200	6.55	137

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.8	49	10	6.8	15	29	24	80	87	7.9	4.0
2	2.4	5.9	27	18	6.3	56	33	20	47	51	7.4	3.7
3	2.2	7.8	15	36	6.9	84	30	23	30	45	6.7	3.6
4	2.1	8.1	13	25	23	66	28	48	21	127	6.2	3.0
5	2.0	6.4	7.9	25	26	63	27	46	51	94	5.7	2.6
6	2.0	5.5	9.0	18	12	35	26	33	34	65	5.2	2.5
7	2.0	9.6	71	16	11	49	26	26	45	45	6.9	2.4
8	2.0	11	83	14	9.0	52	24	23	33	36	7.9	2.7
9	2.0	8.6	56	13	6.9	35	24	38	30	29	6.3	2.1
10	30	7.7	52	55	6.2	25	25	35	107	24	5.5	2.0
11	70	7.2	74	53	5.7	20	25	28	76	21	5.1	1.9
12	36	6.9	65	48	5.1	20	27	23	62	18	5.0	1.8
13	18	6.6	45	42	25	20	44	19	32	20	4.8	2.3
14	11	5.9	30	62	48	21	66	15	26	32	14	3.2
15	8.7	6.0	26	44	28	24	53	38	23	19	17	3.2
16	6.9	6.8	33	36	27	21	49	83	20	14	6.5	2.4
17	5.7	6.1	29	17	19	68	52	66	21	13	4.9	2.1
18	5.2	5.9	19	17	15	93	78	41	16	12	4.8	2.3
19	4.8	5.5	11	18	17	57	66	32	20	11	4.7	5.7
20	4.4	5.6	12	15	24	41	100	32	23	11	3.6	3.3
21	4.2	5.3	13	14	21	35	103	36	17	12	2.9	2.6
22	3.9	4.0	9.6	12	17	66	73	29	36	11	2.5	2.3
23	3.8	4.4	5.4	12	13	103	91	24	78	9.8	2.4	2.1
24	4.3	3.6	14	17	12	67	72	19	106	8.9	1.9	2.0
25	5.5	3.7	21	25	10	45	56	15	96	8.4	1.8	2.0
26	5.9	4.9	15	30	9.2	37	44	12	111	8.3	1.9	2.0
27	5.1	5.4	16	11	9.2	32	37	9.9	77	7.9	2.7	2.3
28	4.8	10	18	10	9.0	30	33	8.3	69	7.7	3.3	2.0
29	4.3	17	17	9.6	9.5	30	29	7.0	36	7.2	2.5	1.9
30	4.0	70	15	8.4	------	32	26	5.8	60	6.7	2.1	4.0
31	3.9	------	16	7.3	------	29	------	18	------	7.3	3.1	------
TOTAL	270.1	266.0	886.8	738.3	437.7	1,371	1,436	877.0	1,443	869.2	163.2	79.3
MEAN	8.71	8.87	28.6	23.8	15.1	44.2	47.9	28.3	48.1	28.0	5.26	2.64
MAX	70	70	83	62	48	103	103	83	111	127	17	5.7
MIN	2.0	3.6	5.4	7.3	5.1	15	24	5.8	16	6.7	1.8	1.8
CFSM	.86	.88	2.83	2.36	1.50	4.38	4.74	2.80	4.76	2.77	.52	.26
IN.	.99	.98	3.27	2.72	1.61	5.05	5.29	3.23	5.31	3.20	.60	.29

CAL YR 1971 TOTAL 6,114.21 MEAN 16.8 MAX 94 MIN .10 CFSM 1.66 IN 22.52
WTR YR 1972 TOTAL 8,827.60 MEAN 24.1 MAX 127 MIN 1.8 CFSM 2.39 IN 32.55

01199000 Housatonic River at Falls Village, Conn.

LOCATION.--Lat 41°57'26", long 73°22'11", Litchfield County, on left bank at hydroelectric plant of Hartford Electric Light Company, at Falls Village, 1.4 miles downstream from Hollenbeck River, and at mile 75.9.

DRAINAGE AREA.--634 sq mi (revised).

PERIOD OF RECORD.--July 1912 to current year.

GAGE.--Water-stage recorder. Datum of gage is 529.06 ft above mean sea level, (levels by Corps of Engineers). Prior to Oct. 26, 1964, at site 0.6 mile downstream at datum 6.72 ft lower).

AVERAGE DISCHARGE.--60 years, 1,053 cfs (22.53 inches per year).

EXTREMES.--Current year: Maximum discharge 6,550 cfs July 4 (gage height, 7.88 ft); minimum discharge 82 cfs Nov. 29 (gage height, 1.39 ft); minimum daily 131 cfs Sept. 20.

Period of record: Maximum discharge 23,900 cfs Jan 1, 1949 (gage height, 19.4 ft, present datum from floodmarks); practically no flow at times when power plant was shut down; minimum daily, 24 cfs Oct. 15, 1914, Sept. 18, 1932.

PEAK DISCHARGE.--(Base, 3,600 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-18	2030	6.22	4,400	6-02	0930	5.97	4,070
3-23	2230	6.70	5,020	6-11	0230	5.75	3,780
4-22	1000	7.38	5,900	6-26	1700	6.47	4,720
5-06	0730	6.80	5,150	7-04	1200	7.88	6,550
5-17	0700	5.72	3,750				

REMARKS.--Records good. Low flow completely regulated by power plant of Hartford Electric Light Company. Records of water temperature are collected at reservoir 0.4 miles upstream and are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	479	538	1,710	1,190	735	779	1,900	1,990	3,050	4,400	558	392
2	448	566	1,460	1,290	753	1,420	1,950	1,940	4,000	4,700	531	408
3	318	731	1,050	1,570	720	2,690	2,010	1,860	3,690	4,580	949	234
4	471	916	1,020	1,640	853	2,690	1,930	2,980	2,990	6,070	607	290
5	406	835	841	1,500	875	2,170	1,790	4,660	2,520	5,690	991	251
6	421	709	795	1,280	781	1,710	1,680	5,090	2,130	4,980	459	252
7	384	688	1,490	1,150	775	1,340	1,560	4,580	2,120	4,090	458	271
8	372	891	2,590	1,140	656	1,400	1,550	3,610	2,180	3,170	906	281
9	382	889	2,830	963	626	1,370	1,410	3,370	2,020	2,530	950	252
10	983	769	2,510	1,720	615	1,480	1,470	3,460	3,210	2,080	916	171
11	1,750	731	2,630	1,940	978	1,250	1,460	3,230	3,550	1,910	446	295
12	1,860	696	2,960	1,970	948	1,120	1,480	2,850	2,920	1,640	396	242
13	1,380	657	2,840	1,860	683	1,270	1,700	2,420	2,330	1,430	377	228
14	952	621	2,470	2,200	1,550	1,290	2,640	2,110	2,000	1,660	563	258
15	866	673	2,110	2,350	1,650	1,210	2,820	2,280	1,850	1,490	841	321
16	796	697	2,120	1,720	1,550	1,190	2,620	3,160	1,610	1,260	644	338
17	615	806	2,240	1,190	1,320	1,740	3,110	3,630	1,530	1,190	466	291
18	621	695	2,170	1,310	1,020	3,890	3,580	3,280	1,340	1,220	479	352
19	596	754	1,960	1,430	867	4,070	3,740	2,990	1,250	1,040	346	389
20	541	698	1,730	1,400	727	3,210	4,340	2,690	1,160	1,020	428	131
21	526	659	1,640	1,350	630	2,300	5,630	2,630	1,330	998	362	324
22	498	652	1,460	1,240	816	2,440	5,630	2,440	1,430	1,020	349	390
23	512	638	1,330	1,160	741	4,630	5,420	2,130	1,800	1,010	348	155
24	463	567	1,320	1,160	736	4,760	4,910	1,920	2,860	918	291	233
25	472	552	1,660	1,220	737	3,900	4,360	1,550	3,700	838	383	245
26	662	610	1,720	1,370	735	2,960	3,830	1,330	4,990	779	273	264
27	574	582	1,720	1,150	680	2,320	3,280	1,150	4,450	893	235	307
28	563	758	1,710	979	688	1,970	2,780	1,050	3,770	800	434	220
29	524	819	1,600	928	690	1,890	2,410	981	2,870	735	803	292
30	451	1,570	1,620	862	------	1,970	2,120	959	2,850	595	646	269
31	475	------	1,450	757	------	1,980	------	1,120	------	572	467	------
TOTAL	19,961	21,967	56,716	42,909	24,255	68,349	85,110	79,440	77,100	65,308	14,902	8,346
MEAN	644	732	1,830	1,384	836	2,205	2,837	2,563	2,570	2,107	481	278
MAX	1,860	1,570	2,960	2,350	1,650	4,760	5,630	5,090	4,990	6,070	991	408
MIN	318	538	795	757	548	779	1,410	959	1,160	572	235	131
CFSM	1.02	1.15	2.89	2.18	1.32	3.48	4.47	4.04	4.05	3.32	.76	.44
IN.	1.17	1.29	3.33	2.52	1.42	4.01	4.99	4.66	4.52	3.83	.87	.49

CAL YR 1971 TOTAL 389,180 MEAN 1,066 MAX 4,040 MIN 141 CFSM 1.68 IN 22.84
WTR YR 1972 TOTAL 566,363 MEAN 1,542 MAX 6,070 MIN 131 CFSM 2.43 IN 33.11

01199050 Salmon Creek at Lime Rock, Conn.

LOCATION.--Lat 41°56'32", long 73°23'29", Litchfield County, on left bank 300 ft upstream from bridge on Uptown Salisbury Road, 0.6 mile north of Lime Rock, and 3.0 miles upstream from mouth.

DRAINAGE AREA.--29.4 sq mi (revised).

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 620.37 ft above mean sea level.

AVERAGE DISCHARGE.--11 years, 41.3 cfs (19.08 inches per year).

EXTREMES.--Current year: Maximum discharge 493 cfs June 30 (gage height, 3.31 ft); minimum 8.1 cfs Sept. 7 (gage height, 0.96 ft);

Period of record: Maximum discharge 962 cfs Aug. 5, 1969 (gage height, 4.53 ft); minimum 0.7 cfs Sept. 25, 1964 (gage height, 0.77 ft).

Flood of Aug. 19, 1955, reached a stage of about 13.5 ft from floodmarks (discharge 6,300 cfs from rating curve extended above 350 cfs on basis of contracted-opening measurement of peak flow).

PEAK DISCHARGE.--(Base, 250 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-11	0330	2.50	250	6-01	1230	2.70	310
3-17	2130	2.51	253	6-26	0200	2.90	370
3-23	0430	3.24	472	6-30	2230	3.31	493
4-20	2200	3.15	415				

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	29	92	73	60	34	85	77	272	330	25	11
2	26	39	62	57	32	76	96	64	159	173	28	10
3	25	44	64	75	37	156	89	75	118	176	22	12
4	24	44	59	60	54	104	72	142	103	251	20	10
5	23	41	54	58	42	68	73	144	88	149	17	9.1
6	21	43	51	56	115	63	72	120	93	130	16	8.9
7	22	56	122	53	43	64	75	104	104	106	16	8.3
8	20	59	153	50	49	67	68	91	78	95	31	9.2
9	18	51	113	43	40	57	67	125	76	85	20	9.9
10	72	47	112	100	38	52	69	108	171	76	17	9.0
11	160	67	137	86	39	49	70	93	103	70	15	9.0
12	75	68	134	81	41	49	75	82	83	64	15	8.4
13	61	47	113	76	43	62	108	78	76	80	14	11
14	56	46	99	134	74	55	145	78	71	85	15	17
15	50	45	95	92	47	48	114	172	61	63	63	18
16	46	51	101	80	42	45	109	183	60	58	28	17
17	41	43	83	72	35	143	185	127	63	69	20	16
18	40	63	78	65	33	232	169	128	53	53	19	15
19	38	47	73	59	32	129	142	105	62	46	18	22
20	37	43	66	56	48	90	255	119	58	46	16	18
21	35	41	67	55	62	92	315	132	56	44	14	16
22	35	41	61	51	35	156	198	107	84	39	15	16
23	36	39	66	51	43	368	240	93	105	35	13	14
24	38	35	57	57	33	211	183	78	193	33	13	14
25	45	34	71	76	32	146	139	68	200	29	13	14
26	33	41	59	68	30	121	119	61	287	25	15	15
27	35	40	59	70	34	105	107	54	173	23	14	16
28	33	55	50	41	28	95	100	50	123	22	20	15
29	31	59	55	39	29	93	98	46	103	20	14	15
30	29	131	54	37	------	95	91	45	268	19	12	22
31	29	------	56	35	------	87	------	104	------	19	11	------
TOTAL	1,265	1,426	2,527	2,014	1,287	3,219	3,727	3,003	3,535	2,513	589	405.8
MEAN	40.8	47.5	81.5	65.0	44.4	104	124	96.9	118	81.1	19.0	13.5
MAX	160	131	153	134	115	368	315	183	287	330	63	22
MIN	18	29	51	35	28	34	67	45	53	19	11	8.3
CFSM	1.39	1.62	2.77	2.21	1.51	3.54	4.22	3.30	4.01	2.76	.65	.46
IN.	1.60	1.80	3.20	2.55	1.63	4.07	4.72	3.80	4.47	3.18	.75	.51

CAL YR 1971 TOTAL 17,437.7 MEAN 47.8 MAX 320 MIN 2.7 CFSM 1.63 IN 22.14
WTR YR 1972 TOTAL 25,511.8 MEAN 69.7 MAX 368 MIN 8.3 CFSM 2.37 IN 32.20

01199200 Guinea Brook at Ellsworth, Conn.

LOCATION.--Lat 41°49'27", long 73°25'50", Litchfield County, on left bank just upstream from culvert on West Woods Road, 0.4 mile southwest of Ellsworth, 3 miles west of Cornwall Bridge, and 4.5 miles southeast of Sharon.

DRAINAGE AREA.--3.50 sq mi (revised).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,141.60 ft above mean sea level.

AVERAGE DISCHARGE.--12 years, 5.90 cfs (22.89 inches per year).

EXTREMES.--Current year: Maximum discharge 87 cfs Mar 22 (gage height, 3.10 ft); minimum 0.05 cfs Sept. 13 (gage height, 0.62 ft).
Period of record: Maximum discharge 142 cfs Feb. 26, 1961, (gage height, 3.89 ft); no flow many days in 1962, 1964-68, 1970.

PEAK DISCHARGE.--(Base, 50 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0030	2.43	52
3-17	1530	2.53	58
3-22	1930	3.10	87
6-10	0500	2.52	57
6-25	1700	3.01	82
7-03	2100	2.89	76

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.9	16	7.3	6.4	7.2	12	9.6	32	27	3.7	.40
2	1.6	6.7	17	9.7	6.1	26	11	10	13	18	3.0	.40
3	1.3	8.4	7.6	19	6.7	36	11	15	9.1	33	2.9	.30
4	1.4	5.7	7.2	12	15	19	9.5	32	8.7	50	4.1	.25
5	1.1	4.6	7.3	12	12	15	9.1	22	15	27	2.9	.21
6	1.1	3.9	6.7	10	6.9	13	9.8	15	9.6	22	1.5	.19
7	2.4	6.1	32	7.9	6.1	12	9.5	13	15	18	1.4	4.6
8	4.3	7.9	76	7.5	6.8	16	9.4	12	8.6	19	3.6	3.3
9	.92	5.3	23	8.5	6.6	13	4.3	15	11	26	2.4	.63
10	19	8.7	24	27	6.3	10	9.9	14	43	15	1.6	.15
11	27	4.9	26	29	3.5	9.9	11	11	19	12	1.2	.16
12	11	4.7	20	17	3.4	9.6	11	9.9	15	9.3	.83	.44
13	7.9	4.1	17	16	15	19	17	8.7	12	17	.75	.08
14	7.6	3.9	15	20	33	12	19	9.6	11	17	.99	.13
15	5.7	3.9	15	17	21	9.0	16	22	9.5	9.9	4.5	.17
16	4.1	4.9	17	13	13	8.8	16	30	8.8	7.6	2.4	.19
17	3.7	4.5	14	7.3	7.4	37	25	18	9.5	6.5	1.4	.09
18	3.5	4.0	17	6.5	6.0	35	17	17	6.8	5.7	1.2	.09
19	4.8	3.9	11	9.7	5.6	26	19	15	16	7.6	1.9	.95
20	3.6	4.3	8.3	8.8	7.3	20	29	17	14	16	1.0	1.4
21	3.6	4.0	9.6	9.7	7.0	19	28	17	11	7.8	.65	.29
22	3.7	4.3	9.9	7.6	8.1	43	21	13	23	5.8	.87	.21
23	3.4	3.7	8.3	7.5	8.6	52	30	10	26	4.9	.65	.35
24	3.7	3.0	8.8	11	7.4	27	23	8.7	49	5.6	.27	.20
25	5.9	3.9	13	15	5.8	22	21	7.5	56	3.4	.29	.19
26	4.3	3.9	8.4	13	5.1	19	17	6.2	53	3.1	.81	.17
27	3.6	4.5	9.3	7.7	4.7	16	15	5.5	34	2.6	3.1	.32
28	3.5	5.3	9.7	4.8	4.5	15	13	5.5	23	2.3	11	.22
29	3.3	8.0	8.9	5.0	5.0	14	17	4.7	18	2.0	2.8	.17
30	2.8	23	7.6	5.0	------	15	10	4.3	39	2.5	1.1	.33
31	2.6	------	9.4	5.7	------	12	------	16	------	1.9	.50	------
TOTAL	159.52	161.1	430.6	345.1	232.3	606.6	469.6	413.0	616.0	405.0	67.19	16.76
MEAN	5.15	5.37	13.9	11.1	8.01	19.5	15.6	13.3	20.5	13.1	2.17	.56
MAX	27	23	76	27	33	52	30	32	56	50	11	4.6
MIN	.92	3.0	6.7	4.8	3.4	7.2	4.3	4.3	6.8	1.9	.27	.08
CFSM	1.47	1.53	3.97	3.17	2.29	5.57	4.46	3.80	5.86	3.74	.62	.16
IN.	1.70	1.71	4.56	3.67	2.47	6.42	4.98	4.39	6.54	4.30	.71	.18

CAL YR 1971 TOTAL 2,552.37 MEAN 6.99 MAX 36 MIN .03 CFSM 2.00 IN 27.13
WTR YR 1972 TOTAL 3,918.15 MEAN 10.7 MAX 56 MIN .08 CFSM 3.06 IN 41.66

01200000 Tenmile River near Gaylordsville, Conn.

LOCATION.--41°39'32", long 73°31'44", Dutchess County, New York, on right bank 0.1 mile downstream from Deuel Hollow Brook, 1.2 miles upstream from New York-Connecticut State line, 1.7 miles upstream from mouth, and 2.5 miles northwest of Gaylordsville.

DRAINAGE AREA.--203 sq mi.

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for period October to December 1929, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 304.6 ft above mean sea level (levels by Connecticut Light and Power Company).

AVERAGE DISCHARGE.--43 years, 290 cfs (19.40 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,160 cfs Mar. 18 (gage height, 6.38 ft); minimum 40 cfs Sept. 12, 13.

Period of record: Maximum discharge, 17,400 cfs Aug. 19, 1955 (gage height, 14.9 ft from high-water mark), from rating curve extended above 9,000 cfs; minimum 5 cfs Sept. 8, 1957; minimum gage height, 0.52 ft. Sept. 24, 26, 1939; minimum daily discharge, 7 cfs Oct. 7, 1957.

PEAK DISCHARGE.--(Base, 1,400 cfs):

DATE	TIME	G.HT	DISCHARGE
2-13	2200	4.83	1,680
3-03	1200	5.56	2,310
3-18	0700	6.38	3,160
3-23	1000	4.94	1,770
6-26	1200	5.72	2,470
7-04	1700	5.67	2,420

REMARKS.--Records good. Infrequent regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	171	760	591	230	940	606	908	887	1,310	223	72
2	181	250	581	399	710	969	681	498	659	969	193	70
3	173	232	482	540	203	1,070	695	546	561	1,040	176	71
4	169	235	660	470	929	1,150	695	979	676	2,100	235	66
5	155	215	392	470	572	836	661	953	906	1,600	169	62
6	148	197	370	590	321	629	637	765	672	1,210	146	58
7	151	216	856	606	291	576	651	657	612	961	139	55
8	149	290	1,240	371	287	766	621	560	527	840	207	55
9	136	220	906	368	250	597	608	611	673	780	172	56
10	298	230	860	785	220	687	671	623	1,160	691	141	53
11	791	232	808	746	210	633	610	565	872	577	124	52
12	404	193	711	686	200	588	620	507	690	504	114	50
13	397	187	640	634	534	733	682	663	900	569	107	51
14	340	180	581	752	1,350	660	666	630	832	712	103	57
15	313	175	567	666	703	915	579	618	681	530	156	59
16	290	193	606	660	527	606	561	763	663	467	147	56
17	295	180	542	606	399	1,410	803	726	666	678	116	54
18	281	177	695	380	344	2,880	693	678	390	418	106	53
19	218	170	630	360	309	1,930	613	505	576	419	109	71
20	235	177	611	340	262	1,180	873	614	670	956	97	77
21	196	178	616	320	262	990	1,750	685	566	532	87	59
22	191	180	603	310	305	1,120	978	996	735	434	80	63
23	185	176	329	372	261	1,460	1,700	919	891	369	75	59
24	189	163	365	434	260	1,240	1,210	661	1,330	340	71	56
25	217	168	440	501	255	926	1,310	614	1,800	300	68	55
26	220	179	387	463	247	771	868	372	2,370	271	90	53
27	202	185	394	366	239	669	736	363	1,860	242	87	57
28	199	745	382	343	244	998	652	317	1,360	222	108	56
29	170	540	367	298	235	554	596	291	1,050	203	121	56
30	171	835	366	270	------	556	561	270	1,120	186	91	59
31	166	------	442	250	------	512	------	360	------	183	79	------
TOTAL	7,335	6,620	17,076	13,900	10,012	28,612	19,591	17,312	25,142	20,550	4,019	1,773
MEAN	237	221	551	448	345	923	653	558	838	663	130	59.1
MAX	791	835	1,240	785	1,350	2,880	1,750	979	2,370	2,100	235	77
MIN	136	163	329	250	200	512	561	270	390	183	68	50
CFSM	1.17	1.09	2.71	2.21	1.70	4.55	3.22	2.75	4.13	3.27	.64	.29
IN.	1.34	1.21	3.13	2.55	1.83	5.24	3.59	3.17	4.61	3.77	.74	.32

CAL YR 1971 TOTAL 117,801 MEAN 323 MAX 1,400 MIN 27 CFSM 1.59 IN 21.59
WTR YR 1972 TOTAL 171,947 MEAN 470 MAX 2,880 MIN 50 CFSM 2.32 IN 31.51

01200500 Housatonic River at Gaylordsville, Conn.

LOCATION.--Lat 41°39'11", long 73°29'25", Litchfield County, on left bank 0.4 mile downstream from hydroelectric plant of Connecticut Light and Power Co., 0.5 mile upstream from bridge on U.S. Highway 7 at Gaylordsville, 1.5 miles downstream from Tenmile River, and at mile 50.6.

DRAINAGE AREA.--993 sq mi (revised).

PERIOD OF RECORD.--October 1900 to December 1904 (fragmentary), January 1905 to December 1908 (gage heights only), January 1909 to December 1912 (fragmentary), January 1913 to October 1914 (gage heights only), November 1914 (fragmentary), July 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 236.78 ft above mean sea level. October 1900 to November 1914, chain gage on covered bridge 0.6 mile downstream at different datum.

AVERAGE DISCHARGE.--32 years, (1940-1972), 1,595 cfs (21.85 inches per year).

EXTREMES.--Current year: Maximum discharge 10,100 cfs July 4 (gage height, 8.71 ft); minimum 111 cfs several days in September.

Period of record: Maximum discharge 51,800 cfs Aug 19, 1955 (gage height, 18.58 ft); minimum observed, about 30 cfs Oct. 28, 1914 (gage height, 2.18 ft site and datum then in use); minimum daily since July 1940, about 60 cfs Aug. 31, 1944, Sept. 28, 1949.

Flood in May 1854 reached a stage of 21 ft 3 in., former site and datum; reported by observer in 1902. Flood of Sept. 22, 1938 reached a stage of 14.5 ft from floodmarks, at present site (discharge, 37,000 cfs, by computation of peak flow over dam 2.5 miles upstream adjusted for flow from intervening area).

PEAK DISCHARGE.--(Base, 6,000 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
3-18	2030	7.81	8,030	5-06	0900	7.12	6,610
3-23	1630	7.74	7,880	6-26	1330	7.99	8,430
4-21	1000	7.85	8,120	7-04	1700	8.71	10,100

REMARKS.--Records good. Ordinary flow regulated by power plant upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	901	818	2,980	1,820	1,310	1,360	2,830	2,970	4,470	6,980	1,000	600
2	823	877	2,510	1,840	1,290	2,990	2,860	2,870	5,190	6,550	980	640
3	701	1,070	1,790	2,550	1,280	5,370	2,980	2,880	4,800	6,830	894	350
4	650	1,240	1,810	2,470	1,770	4,700	2,830	4,300	4,080	9,550	1,090	450
5	733	1,300	1,520	2,390	1,520	3,750	2,650	6,050	3,590	8,640	764	400
6	655	1,100	1,460	1,970	1,370	2,910	2,530	6,540	3,090	7,310	758	400
7	678	1,150	2,880	1,830	1,310	2,360	2,440	6,050	3,280	6,030	660	430
8	632	1,280	4,600	1,830	1,490	2,700	2,350	4,940	3,180	4,940	900	450
9	615	1,290	4,610	1,560	1,220	2,470	2,100	4,560	2,940	4,160	904	400
10	919	1,240	4,100	3,070	1,230	2,090	2,240	4,660	5,250	3,400	811	270
11	2,820	1,110	4,050	3,300	1,160	1,820	2,250	4,370	5,270	2,990	798	450
12	2,680	1,090	4,230	3,230	1,090	2,050	2,290	3,900	4,320	2,660	610	380
13	2,220	1,080	4,100	3,010	1,410	2,510	2,670	3,380	3,560	2,610	504	350
14	1,540	1,010	3,640	3,420	3,560	2,430	3,700	2,980	3,030	2,890	508	400
15	1,420	1,020	3,220	3,590	2,840	2,150	3,950	3,480	2,760	2,440	848	500
16	1,330	1,050	3,190	2,530	2,520	2,000	4,130	4,620	2,430	2,190	930	520
17	1,200	1,090	3,200	1,990	2,080	3,920	4,840	5,070	2,350	2,090	818	650
18	1,070	1,130	3,080	2,020	1,730	7,550	4,850	4,260	2,060	1,950	753	540
19	1,010	1,010	2,770	2,220	1,400	7,060	4,900	2,940	2,420	1,850	548	600
20	955	1,070	2,580	2,180	1,390	5,420	5,860	2,900	2,390	2,370	660	200
21	880	1,070	2,390	2,100	1,520	4,140	7,920	3,170	2,320	1,900	560	500
22	879	962	2,180	1,950	1,330	4,760	7,690	3,540	2,760	1,660	560	600
23	859	972	1,880	1,860	1,660	7,460	7,910	3,190	3,360	1,620	540	240
24	820	978	2,000	1,960	1,280	7,200	7,400	2,790	5,300	1,610	450	360
25	917	955	2,360	2,110	1,280	5,920	6,390	2,440	6,700	1,400	600	380
26	937	922	2,420	2,270	1,280	4,740	5,550	2,080	8,220	1,280	450	410
27	1,020	957	2,410	1,690	1,220	3,810	4,790	1,780	7,470	1,280	360	480
28	961	1,120	2,370	1,710	1,240	3,240	4,160	1,690	6,120	1,230	600	390
29	896	1,410	2,280	1,490	1,230	2,900	3,650	1,630	4,860	1,080	1,200	450
30	900	2,920	2,310	1,440	------	2,880	3,260	1,440	5,160	982	1,000	410
31	780	------	2,250	1,430	------	2,830	------	1,720	------	928	700	------
TOTAL	33,379	34,291	87,098	68,830	44,880	117,090	124,058	109,190	122,730	103,000	22,738	12,960
MEAN	1,077	1,143	2,809	2,220	1,548	3,777	4,135	3,522	4,091	3,323	733	432
MAX	2,820	2,920	4,610	3,590	3,560	7,550	7,920	6,540	8,220	9,550	1,200	660
MIN	615	818	1,460	1,430	1,090	1,360	2,100	1,440	2,060	928	360	200
CFSM	1.08	1.15	2.83	2.24	1.56	3.80	4.16	3.55	4.12	3.35	.74	.44
IN.	1.25	1.28	3.26	2.58	1.68	4.39	4.65	4.09	4.60	3.86	.85	.49

CAL YR 1971 TOTAL 607,020 MEAN 1,663 MAX 9,190 MIN 145 CFSM 1.67 IN 22.74
WTR YR 1972 TOTAL 880,228 MEAN 2,405 MAX 9,550 MIN 200 CFSM 2.42 IN 32.98

01201190 West Aspetuck River near New Milford, Conn.

LOCATION.--Lat 41°36'28", long 73°25'30", Litchfield County, at downstream side of bridge on Sand Road, off Long Mountain Road, 1000 ft west of State Highway 129, 1 mile northwest of Wellsville, and 2 miles north of New Milford.

DRAINAGE AREA.--23.8 sq mi (revised).

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Non-recording gage, read twice daily. Prior to Feb. 10, 1965, non-recording gage with crest-stage indicator. Datum of gage is 242.57 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 34.4 cfs (20.05 inches per year).

EXTREMES.--Current year: Maximum discharge 640 cfs July 4 (gage height, 4.05 ft); minimum, 2.0 cfs Sept. 13 (gage height, 0.84 ft).

Period of record: Maximum discharge 1,090 cfs Aug. 5, 1969 (gage height, 4.88 ft); minimum, 0.7 cfs Sept. 25, 1964, many days in 1966; minimum gage height, 0.52 ft Sept. 25, 1964.

PEAK DISCHARGE.--(Base, 150 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
12-8	0430	2.57	179	5-05	0800	2.45	155
2-14	0200	2.64	193	6-01	0500	2.65	195
3-04	0830	3.00	280	6-26	0800	3.05	295
3-17	2300	3.30	370	7-01	0800	2.82	235
3-23	0800	3.17	331	7-04	0600	4.05	640
4-21	0500	2.45	155				

REMARKS.--Records good, except for winter period, which is poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	16	119	45	35	66	66	53	145	205	22	5.3
2	9.0	23	86	63	35	79	66	58	78	129	16	4.9
3	8.6	32	57	66	35	141	63	63	58	125	15	4.6
4	8.2	27	49	62	104	255	58	137	65	385	21	4.2
5	7.3	21	45	58	60	165	63	149	90	220	34	3.8
6	7.0	19	44	54	40	73	61	83	69	159	26	3.4
7	7.1	28	135	52	35	57	58	74	75	98	21	3.2
8	7.3	29	169	47	34	88	58	70	66	83	26	3.0
9	7.6	27	155	110	32	63	50	70	42	89	23	2.7
10	39	23	137	83	32	48	43	92	112	61	20	2.5
11	98	20	113	82	32	46	41	73	76	54	16	2.3
12	64	18	76	75	32	70	40	60	50	50	14	2.3
13	32	16	55	68	32	86	44	50	39	60	12	2.2
14	26	16	54	64	165	106	76	49	44	101	11	4.4
15	23	17	55	58	74	113	56	101	40	66	18	4.7
16	20	21	50	54	66	124	54	137	39	48	15	5.3
17	18	20	46	51	47	230	86	83	41	46	12	4.9
18	16	17	46	48	44	313	70	69	42	40	11	4.4
19	14	17	40	46	41	205	54	62	88	34	14	7.6
20	12	19	37	44	39	139	73	80	116	61	10	5.5
21	11	18	35	42	37	122	147	83	94	50	8.2	4.6
22	10	20	32	42	35	195	98	63	124	42	7.6	4.2
23	12	19	35	42	33	310	80	54	165	29	7.0	4.0
24	14	17	35	41	32	167	113	48	258	26	6.4	3.8
25	17	21	35	41	31	113	113	39	262	23	5.1	3.4
26	20	23	34	40	30	106	101	33	280	21	7.0	3.2
27	18	23	37	39	29	98	78	31	197	18	6.7	4.4
28	16	24	41	38	28	86	70	28	141	16	11	3.8
29	16	26	39	38	35	73	66	26	114	14	7.6	3.6
30	16	122	42	37	------	70	61	24	167	13	6.7	4.9
31	15	------	42	36	------	68	------	39	------	13	5.8	------
TOTAL	599.1	739	1,975	1,666	1,304	3,829	2,105	2,081	3,171	2,379	439.1	124.9
MEAN	19.3	24.6	63.7	53.7	45.0	124	70.2	67.1	106	76.7	14.2	4.16
MAX	98	122	169	110	165	313	147	149	280	385	34	7.6
MIN	7.0	16	32	36	28	44	40	24	39	13	5.8	2.2
CFSM	.83	1.06	2.73	2.30	1.93	5.32	3.01	2.88	4.55	3.29	.61	.18
IN.	.96	1.18	3.15	2.66	2.08	6.11	3.36	3.32	5.08	3.80	.70	.20

CAL YR 1971 TOTAL 14,341.0 MEAN 39.3 MAX 231 MIN 1.3 CFSM 1.69 IN 22.90

WTR YR 1972 TOTAL 20,412.1 MEAN 55.8 MAX 385 MIN 2.2 CFSM 2.39 IN 32.59

01201930 Marshepaug River near Milton, Conn.

LOCATION.--Lat 41°47'22", long 73°13'34", Litchfield County, on left bank downstream from bridge on Maple Street, 1.5 miles northeast of Milton.

DRAINAGE AREA.--9.24 sq mi (revised).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,083.95 ft above mean sea level.

AVERAGE DISCHARGE.--5 years, 19.3 cfs.

EXTREMES.--Current year: Maximum discharge 206 cfs Mar. 23 (gage height, 2.86 ft); minimum about 0.6 cfs Sept. 20.
Period of record: Maximum discharge 398 cfs Aug. 5, 1969 (gage height, 4.05 ft); minimum 0.5 cfs May 13, 1970, July 21, 1971.

REMARKS.--Records good. Flow regulated by a real estate lake upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	8.0	48	27	13	12	31	27	86	95	11	2.5
2	6.5	13	41	30	11	19	33	23	67	76	8.9	2.6
3	6.9	14	37	34	13	40	34	25	53	60	15	2.4
4	8.6	13	35	32	16	45	33	37	41	57	20	2.2
5	8.9	11	28	34	19	47	31	37	40	55	8.7	2.0
6	9.1	8.6	27	30	15	36	29	34	34	40	5.0	1.9
7	6.3	16	74	34	13	29	31	31	41	30	5.2	12
8	7.8	16	106	37	13	29	27	20	35	34	14	9.0
9	7.7	17	87	33	17	26	24	30	33	32	8.6	5.5
10	26	12	74	48	18	39	23	27	69	27	5.7	2.6
11	13	12	73	45	7.8	18	24	26	90	73	2.9	2.4
12	37	13	72	45	9.1	70	25	21	70	70	2.3	2.2
13	56	11	61	34	33	71	34	20	51	26	7.5	1.8
14	33	5.7	49	28	88	32	47	18	30	29	4.1	3.5
15	12	5.5	48	47	50	38	49	41	37	26	11	2.7
16	17	17	61	37	65	75	50	56	28	23	5.0	1.9
17	16	8.6	37	36	36	66	67	56	26	19	4.3	1.6
18	13	8.7	36	31	38	127	60	49	27	15	4.0	1.7
19	11	8.6	39	18	33	117	54	39	29	13	4.1	5.0
20	5.9	13	29	16	31	86	74	37	25	12	3.1	4.2
21	8.6	13	36	16	33	63	84	36	90	10	2.7	1.6
22	7.3	13	27	16	17	119	77	32	60	9.0	1.6	1.7
23	8.0	9.8	18	24	14	201	91	28	67	10	1.7	1.5
24	27	7.6	33	17	16	158	85	35	155	15	2.1	1.4
25	57	35	26	26	13	88	64	18	144	13	7.2	1.3
26	15	16	36	33	16	62	50	16	120	9.6	2.1	1.2
27	9.5	12	38	33	16	66	60	13	97	9.6	7.7	2.7
28	9.1	15	32	30	13	76	52	12	67	6.6	14	7.6
29	8.7	28	23	18	13	52	28	10	69	5.0	9.0	1.7
30	8.3	48	27	16	------	53	25	9.1	100	5.2	5.0	5.1
31	7.8	------	33	13	------	52	------	91	------	4.6	3.5	------
TOTAL	363.3	409.1	1,777	877	655.5	1,703	1,348	881.1	1,837	816.2	196.0	88.4
MEAN	11.7	13.6	57.3	28.3	21.0	54.9	44.9	28.4	61.2	26.3	6.32	2.95
MAX	57	48	106	48	55	201	84	56	155	95	20	12
MIN	5.7	5.4	18	13	9.1	12	23	9.1	22	3.2	1.7	1.2

CAL YR 1971 TOTAL 6,649.30 MEAN 18.2 MAX 106 MIN .61
WTR YR 1972 TOTAL 10,341.70 MEAN 28.3 MAX 201 MIN 1.2

01203510 Pootatuck River at Sandy Hook, Conn.

LOCATION.--Lat 41°25'12", long 73°16'58", Fairfield County, on downstream side of bridge on Church Hill Road, (U.S. Highway 6A) at Sandy Hook.

DRAINAGE AREA.--24.8 sq mi (revised).

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Non-recording gage, read once daily, and crest-stage gage. Datum of gage is 222.67 ft above mean sea level.

AVERAGE DISCHARGE.--7 years, 44.4 cfs (24.31 inches per year).

EXTREMES.--Current year: Maximum discharge 1,040 cfs June 19 (gage height, 6.50 ft); minimum observed 7.2 cfs Sept. 18, 22-29.

Period of record: Maximum discharge 2,100 cfs Apr. 3, 1970 (gage height, 7.90 ft); minimum observed 1.12 cfs Aug. 14, 15, Sept. 11-13, 1966 (gage height, 2.25 ft).

PEAK DISCHARGE.--(Base, 425 cfs):

DATE	TIME	G.HT	DISCHARGE
3-03	0700	5.93	698
3-17	1200	6.30	920
3-22	1030	5.98	728
6-01	0600	5.66	580
6-19	1130	6.50	1,040

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	------	[illegible]	[illegible]	------	[illegible]	------	[illegible]	------	[illegible]	[illegible]	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CFSM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1971 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]
WTR YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN 7.2 CFSM [illegible] IN [illegible]

01203600 Nonewaug River at Minortown, Conn.

LOCATION.--Lat 41°34'32", long 73°10'45", Litchfield County, on right bank 1,000 ft downstream from bridge by U.S. Highways 6 and 202 at Minortown, and 2.5 miles northeast of Woodbury.

DRAINAGE AREA.--17.7 sq mi (revised).

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 354.69 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 25.6 cfs.

EXTREMES.--Current year: Maximum discharge 1,400 cfs Feb. 13 (Gage height, 4.65 ft); minimum 2.0 cfs Sept. 9 (gage height, 0.33 ft).

Period of record: Maximum discharge 1,900 cfs Feb. 10, 1970 (gage height, 5.18 ft) from rating curve extended above 380 cfs by logarithmic plotting; minimum 0.33 cfs Oct. 10, 1971; minimum gage height, 0.34 ft Oct. 10, 1971.

Flood of Aug. 19, 1955 reached a stage of 13.2 ft from floodmarks (discharge, about 8,200 cfs, estimated from a comparison of unit runoff of nearby streams).

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-10	1400	3.13	585	3-12	1700	3.03	542
11-29	2330	2.96	514	3-17	1130	3.76	936
2-04	0200	2.98	522	3-22	1500	3.30	620
2-13	1800	4.65	1,400	6-23	2300	3.08	562
3-03	1000	3.40	720	6-30	0930	3.88	1,010

REMARKS.--Records good. Flow regulated by Lockwood Reservoir. Diversion for municipal supply of town of Watertown.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	25	70	30	23	60	39	28	161	193	12	3.0
2	8.8	34	66	69	22	130	39	31	56	101	7.7	3.1
3	8.7	34	64	63	21	438	37	91	62	104	6.6	3.4
4	8.2	29	56	56	146	128	35	97	51	129	6.8	3.2
5	8.0	22	36	69	37	80	40	60	61	80	5.4	3.0
6	9.2	20	56	56	34	60	37	66	37	65	5.0	2.9
7	8.4	29	238	40	29	69	36	37	51	47	6.3	2.7
8	7.6	24	130	36	26	97	31	36	33	48	13	2.7
9	7.3	23	76	66	23	56	28	43	46	41	7.3	2.5
10	100	22	66	116	20	53	26	41	80	31	6.0	2.5
11	63	21	72	80	17	43	29	36	17	24	5.1	2.5
12	56	19	53	66	23	119	28	30	17	18	4.6	2.5
13	41	19	47	98	279	86	66	29	14	193	4.4	3.7
14	26	17	62	76	115	99	95	26	12	82	4.7	5.0
15	27	19	53	68	58	53	61	106	9.2	63	11	4.0
16	24	21	57	39	64	55	60	92	11	30	6.0	3.3
17	22	17	43	36	33	565	57	90	69	26	5.2	3.1
18	20	16	36	31	29	261	38	39	22	21	5.0	2.9
19	18	16	33	29	28	121	33	33	255	24	4.7	11
20	16	17	33	26	36	85	93	99	58	63	3.9	4.6
21	14	16	36	28	32	77	67	90	73	22	3.4	3.9
22	44	16	29	29	28	292	61	56	366	18	3.1	3.8
23	13	13	37	28	26	169	90	27	404	13	2.9	3.6
24	20	12	42	36	23	97	79	23	526	13	3.7	3.3
25	32	17	37	42	21	75	56	19	262	9.8	4.6	3.4
26	13	22	30	38	21	61	69	16	248	8.6	4.9	3.4
27	21	23	33	37	29	51	93	19	155	7.8	4.1	3.5
28	60	90	32	36	21	47	85	13	95	6.9	4.9	3.2
29	26	114	29	31	27	66	32	11	69	6.3	4.0	3.1
30	15	166	39	27	------	66	29	11	557	5.8	3.9	3.6
31	16	------	69	26	------	42	------	54	------	7.6	3.2	------
TOTAL	732.6	963	1,661	1,402	1,260	3,562	1,356	1,233	3,899.2	1,455.4	172.6	108.4
MEAN	23.6	32.1	53.6	45.2	43.4	115	45.2	39.8	130	46.9	5.57	3.61
MAX	100	166	238	116	279	565	95	106	557	193	13	11
MIN	7.3	12	29	26	17	42	26	11	9.2	5.8	2.9	2.5
CFSM	1.33	1.81	3.03	2.55	2.45	6.50	2.55	2.25	7.34	2.65	.31	.20
IN.	1.54	2.02	3.49	2.95	2.65	7.49	2.85	2.59	8.19	3.06	.36	.23

CAL YR 1971 TOTAL 11,797.00 MEAN 32.3 MAX 470 MIN .66 CFSM 1.82 IN 24.79

WTR YR 1972 TOTAL 17,865.20 MEAN 48.8 MAX 565 MIN 2.5 CFSM 2.75 IN 37.42

HOUSATONIC RIVER BASIN

01204000 Pomperaug River at Southbury, Conn.

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven County, on right bank 200 ft upstream from bridge on Poverty Road, 800 ft downstream from Bullet Hill Brook, 0.6 mile west of Southbury, and 5.8 miles upstream from mouth.

DRAINAGE AREA.--75.0 sq mi (revised).

PERIOD OF RECORD.--June 1932 to current year.

GAGE.--Water-stage recorder. Datum of gage is 165.60 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage and diversion from October 1960 to September 1969).--40 years, 123 cfs (22.28 inches per year).

EXTREMES.--Current year: Maximum discharge 1,940 cfs Feb. 14 (gage height, 7.94 ft); minimum 7.2 cfs Aug. 23 (gage height, 2.27 ft).

Period of record: Maximum discharge 29,400 cfs Aug. 19, 1955 (gage height, 21.8 ft from floodmarks), from rating curve extended above 1,200 cfs by computation of peak flow over dam at gage height 16.0 ft and by slope-area measurement of peak flow; minimum 3.3 cfs Aug. 27, 1949.

PEAK DISCHARGE.--(Base, 1,400 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0030	7.94	1,940
3-03	2100	7.00	1,470
3-22	2100	6.93	1,440

REMARKS.--Records good. Flow regulated by Lockwood Reservoir and occasionally at low flow by mill upstream. Diversion for municipal supply of town of Watertown.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	93	330	150	82	215	189	144	676	535	68	19
2	51	129	218	204	78	456	182	158	290	364	52	18
3	51	132	183	313	92	1,270	171	199	228	303	48	19
4	48	122	173	229	480	746	161	392	215	422	49	18
5	45	93	145	275	165	442	171	270	294	293	43	17
6	44	83	148	199	122	330	173	212	192	272	41	16
7	41	134	669	185	120	304	159	186	219	226	53	15
8	37	118	549	166	102	438	141	184	166	207	67	15
9	37	92	334	148	110	322	130	205	170	197	50	14
10	401	88	282	389	103	242	121	209	497	168	44	14
11	411	83	285	300	91	217	125	176	241	146	40	13
12	199	78	237	266	87	336	129	157	193	128	38	13
13	146	78	220	230	453	413	213	138	168	300	37	15
14	120	74	197	284	673	306	233	131	154	274	33	24
15	108	71	216	221	260	256	174	436	140	177	55	20
16	100	81	244	149	209	257	165	405	143	145	38	18
17	99	73	201	135	169	601	228	260	299	141	33	17
18	83	68	179	147	151	696	163	217	192	112	32	15
19	76	66	150	151	138	569	150	196	665	99	30	38
20	71	70	152	143	151	412	289	257	429	142	28	27
21	67	67	154	138	130	358	287	267	325	109	25	20
22	65	67	142	132	133	762	240	202	656	94	23	19
23	66	62	112	135	119	806	369	167	725	79	20	17
24	74	58	154	158	119	470	309	147	1,050	74	36	17
25	114	73	178	179	113	366	242	126	633	63	41	17
26	93	84	152	132	111	301	210	110	573	57	30	16
27	80	85	147	107	109	262	189	102	472	54	28	17
28	74	267	140	103	110	236	174	95	349	51	30	16
29	69	238	129	96	136	220	161	86	285	48	25	15
30	64	643	149	95	------	213	149	81	868	46	22	18
31	62	------	239	89	------	204	------	225	------	47	20	------
TOTAL	3,041	3,470	6,808	5,648	4,916	13,024	5,798	6,138	11,487	5,373	1,179	537
MEAN	98.1	116	220	182	170	420	193	198	383	173	38.0	17.9
MAX	411	643	669	389	673	1,270	369	436	1,050	535	68	38
MIN	37	58	112	89	78	204	121	81	140	46	20	13
CFSM	1.31	1.55	2.93	2.43	2.27	5.60	2.57	2.64	5.11	2.31	.51	.24
IN.	1.51	1.72	3.38	2.80	2.44	6.46	2.88	3.04	5.70	2.67	.58	.27

CAL YR 1971 TOTAL 45,635 MEAN 125 MAX 846 MIN 10 CFSM 1.67 IN 22.64
WTR YR 1972 TOTAL 67,415 MEAN 184 MAX 1,270 MIN 13 CFSM 2.45 IN 33.44

01204800 Copper Mill Brook near Monroe, Conn.

LOCATION.--Lat 41°21'46", long 73°13'08", Fairfield County, on right bank just upstream from twin culverts on Hammertown Road, 700 ft upstream from mouth, 1.2 miles west of Connecticut Highway 111, 2.2 miles northwest of Monroe, and 2.2 miles east of Botsford.

DRAINAGE AREA.--2.45 sq mi (revised).

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 331.05 ft above mean sea level.

AVERAGE DISCHARGE.--14 years, 4.35 cfs (24.11 inches per year).

EXTREMES.--Current year: Maximum discharge, 171 cfs June 19 (gage height, 5.00 ft); minimum, 0.36 cfs Sept. 12, 13, (gage height, 0.44 ft).

Period of record: Maximum discharge 228 cfs Mar. 12, 1962 (gage height, 6.42 ft), from rating curve extended above 100 cfs on basis of computation of peak flow through culvert; minimum 0.04 cfs Sept. 9-11, 1964; minimum gage height, 0.33 ft Sept. 10, 11, 1964, Aug. 20, 22, 23, 1970.

PEAK DISCHARGE.--(Base, 80 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
2-13	1830	3.34	98	6-01	0300	3.20	91
3-03	0930	3.14	88	6-19	1330	5.00	171
3-17	0900	3.71	116	6-24	0530	3.12	87

REMARKS.--Records good. Infrequent regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	6.9	9.7	5.4	2.7	12	8.4	5.6	44	20	2.3	.64
2	2.2	9.2	6.7	14	2.7	30	7.3	6.2	13	13	1.5	.81
3	2.2	7.5	5.6	14	4.9	66	6.7	11	11	12	1.5	1.3
4	2.0	6.0	5.6	11	32	27	7.5	18	9.6	14	3.4	.88
5	1.9	4.3	4.8	14	7.9	17	8.6	9.7	13	11	1.7	.70
6	1.8	3.7	9.0	8.2	4.6	11	7.3	7.1	7.9	10	1.2	.59
7	1.8	7.9	28	6.4	5.4	13	6.5	6.4	5.9	9.4	5.8	.55
8	1.8	5.8	16	5.8	4.5	21	5.8	6.2	5.8	9.9	6.5	.51
9	1.9	4.3	9.9	6.4	4.0	14	5.1	15	5.6	7.3	2.3	.51
10	31	4.0	8.4	13	3.7	10	4.6	11	12	6.0	1.6	.46
11	23	3.7	8.2	9.4	3.6	8.8	5.4	7.5	5.8	5.1	1.1	.43
12	8.2	3.4	6.7	8.4	3.5	11	5.3	6.4	4.8	4.6	1.0	.43
13	5.4	3.4	6.4	7.7	3.4	15	14	5.3	4.6	20	.94	.51
14	4.8	3.1	5.4	9.0	20	12	9.7	5.3	4.5	12	1.0	.64
15	4.3	3.4	7.3	6.5	9.7	9.9	7.1	32	4.0	5.6	3.4	.55
16	4.0	3.8	7.1	4.3	7.5	11	7.5	23	3.5	5.1	1.7	.55
17	3.4	3.3	5.6	3.5	6.4	75	11	11	20	4.6	1.3	.51
18	2.5	3.1	4.9	4.3	5.8	33	6.7	7.0	8.6	4.1	1.2	.46
19	2.4	3.0	4.0	5.3	4.6	19	6.0	6.2	117	3.5	1.0	2.3
20	2.4	3.3	4.6	5.1	5.6	14	20	10	31	3.4	.88	.94
21	2.4	3.0	4.8	4.9	5.4	13	13	9.0	28	3.4	.75	.75
22	2.4	3.0	4.0	4.4	5.3	33	12	7.8	60	3.0	.70	.81
23	2.5	2.6	3.1	4.8	5.2	28	17	6.0	47	2.5	.64	.70
24	3.8	2.4	6.2	4.8	5.0	16	10	5.1	58	2.2	5.8	.70
25	7.3	4.8	6.0	4.8	4.8	11	7.9	4.6	32	1.9	6.4	.75
26	5.1	4.3	5.3	4.1	4.7	9.9	7.3	4.2	26	1.7	1.9	.75
27	4.0	5.6	4.8	3.1	4.5	9.9	6.7	4.0	20	1.6	.94	.70
28	3.8	21	4.5	3.4	5.1	9.0	6.4	3.8	13	1.4	1.2	.70
29	3.1	15	3.8	3.3	7.7	8.6	6.0	3.6	12	1.3	.94	.64
30	3.0	27	7.9	3.4	------	8.4	5.4	3.5	49	1.2	.81	1.5
31	2.9	------	13	3.0	------	8.2	------	38	------	1.4	.70	------
TOTAL	149.6	182.0	227.3	205.7	190.2	584.7	252.2	299.5	677.0	202.2	62.10	22.27
MEAN	4.83	6.07	7.33	6.64	6.56	18.9	8.41	9.66	22.6	6.52	2.00	.74
MAX	31	27	28	14	32	75	20	38	117	20	6.5	2.3
MIN	1.8	2.4	3.1	3.0	2.7	8.2	4.6	3.5	3.5	1.2	.64	.43
CFSM	1.97	2.48	2.99	2.71	2.68	7.71	3.43	3.94	9.22	2.66	.82	.30
IN.	2.27	2.76	3.45	3.12	2.89	8.88	3.83	4.55	10.28	3.07	.94	.34

CAL YR 1971 TOTAL 1,897.36 MEAN 5.20 MAX 93 MIN .16 CFSM 2.12 IN 28.81
WTR YR 1972 TOTAL 3,054.77 MEAN 8.35 MAX 117 MIN .43 CFSM 3.41 IN 46.38

01205500 Housatonic River at Stevenson, Conn.

LOCATION.--Lat 41°23'02", long 73°10'05", New Haven County, on left bank 0.2 mile downstream from dam of Connecticut Light and Power Company at Stevenson, Fairfield County, 0.2 mile upstream from Eightmile Brook, and at mile 19.2.

DRAINAGE AREA.--1,541 sq mi (revised).

PERIOD OF RECORD.--August 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 24.98 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE (adjusted for storage and diversion).--44 years, 2,507 cfs (22.09 inches per year).

EXTREMES.--Current year: Maximum discharge 17,000 cfs July 4 (gage height, 12.14 ft); minimum 32 cfs Jan. 30 (gage height, 0.42 ft); minimum daily 36 cfs Jan. 29).

Period of record: Maximum discharge 75,800 cfs Oct. 16, 1955 (gage height, 24.50 ft), from rating curve extended above 35,000 cfs on basis of computation of peak flow at Stevenson and Derby Dams and slope-area measurement at gage heights 21.5 and 23.5 ft; practically no flow at times, result of regulation.

REMARKS.--Records excellent. Ordinary flow completely regulated by Stevenson Hydroelectric Plant. Flow regulated by Lake Candlewood, Lake Lillinonah, Lake Zoar, Cairns and Shepaug Reservoirs, (see p. 94), and by diversion out of basin at Shepaug Reservoir. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,290	2,050	5,600	1,580	1,940	3,630	2,680	4,570	7,780	9,800	1,310	1,000
2	78	2,130	6,420	3,680	2,200	5,240	1,820	4,410	6,810	9,700	1,000	78
3	312	1,910	3,330	4,690	2,450	9,650	3,860	4,310	6,970	8,670	1,110	72
4	2,390	2,160	2,060	4,430	4,960	8,740	4,280	6,410	6,670	14,500	1,500	201
5	2,620	2,390	1,250	4,340	2,180	6,820	4,250	6,420	6,500	11,700	721	540
6	2,000	537	3,330	4,370	376	5,260	3,370	7,060	6,200	8,430	192	878
7	1,270	381	3,980	3,430	3,760	5,960	4,710	8,410	4,050	9,140	1,730	727
8	728	2,650	8,590	1,700	1,840	4,780	3,270	7,980	6,360	7,040	1,820	1,450
9	77	2,080	7,610	2,530	2,180	6,370	2,540	7,850	4,860	6,120	1,690	966
10	1,980	2,190	6,470	5,150	3,080	4,620	3,650	7,380	4,240	4,490	1,490	78
11	4,550	2,150	5,030	6,390	1,670	2,940	4,250	6,460	6,430	4,630	1,290	953
12	5,580	1,540	5,680	5,090	1,450	2,110	3,900	6,280	6,460	3,790	424	673
13	3,570	1,280	5,990	5,380	1,570	6,170	3,960	5,730	6,370	4,620	621	761
14	2,290	74	5,980	5,130	7,890	5,680	6,400	2,580	5,250	6,420	1,300	639
15	2,430	1,570	5,420	5,900	6,380	5,210	5,190	4,970	4,390	4,960	635	585
16	369	1,850	4,310	1,990	4,150	4,080	4,980	7,610	3,720	895	1,350	78
17	481	1,330	4,630	2,860	3,820	9,250	5,770	7,500	95	3,590	1,510	237
18	2,060	856	3,630	2,810	3,580	12,300	5,270	5,740	2,230	3,040	1,820	203
19	1,050	1,900	1,850	4,140	1,530	12,300	6,070	4,580	7,120	3,100	775	898
20	1,970	1,500	3,660	4,290	671	9,370	6,230	6,320	7,110	2,900	75	934
21	1,950	427	3,430	4,340	2,930	6,710	8,530	5,730	9,020	3,070	945	1,120
22	2,030	2,790	2,590	2,280	2,800	7,390	13,900	4,550	9,990	2,680	792	147
23	233	1,920	2,790	1,670	2,120	13,600	10,900	5,200	5,930	1,130	563	79
24	798	1,470	2,570	2,910	3,150	9,150	7,950	5,070	10,400	3,150	617	83
25	1,270	81	4,240	2,930	1,910	9,170	7,940	4,000	12,700	1,910	2,620	721
26	2,090	1,050	3,570	3,370	2,290	6,770	7,750	3,400	14,000	1,860	325	291
27	1,390	1,430	3,920	3,760	873	4,220	5,590	748	11,300	1,410	72	1,080
28	1,670	1,510	4,430	2,860	3,980	6,340	5,070	1,140	8,530	2,030	791	625
29	1,700	3,540	4,100	36	2,440	6,250	5,080	155	8,730	955	718	433
30	78	5,920	3,950	130	------	6,300	5,730	3,310	11,200	394	951	223
31	73	------	3,080	3,220	------	7,050	------	4,030	------	1,050	1,510	------
TOTAL	52,777	53,626	133,220	106,895	78,808	213,440	164,270	159,803	210,395	147,154	32,267	16,433
MEAN	1,702	1,787	4,297	3,448	2,718	6,885	5,476	5,155	7,013	4,747	1,041	548
MAX	5,580	5,920	8,590	6,390	7,890	13,600	13,900	8,410	14,000	14,500	2,620	1,450
MIN	73	74	1,250	36	376	2,110	1,820	155	95	394	72	72
(†)	+89	+139	-32	-53	-81	+98	+128	+8	+88	-92	-413	+465
MEAN ‡	1,791	1,926	4,265	3,395	2,637	6,983	5,604	5,163	7,101	4,655	628	1,013
CFSM ‡	1.16	1.25	2.77	2.18	1.71	4.53	3.64	3.35	4.61	3.02	0.41	0.66
IN ‡	1.34	1.40	3.19	2.51	1.84	5.22	4.06	3.86	5.14	3.48	0.47	0.74

CAL YR 1971 TOTAL 922,673 MEAN 2,528 MAX 8,590 MIN 62 MEAN ‡ 2,565 CFSM ‡ 1.66 IN ‡ 22.53
WTR YR 1972 TOTAL 1,369,086 MEAN 3,741 MAX 14,500 MIN 36 MEAN ‡ 3,768 CFSM ‡ 2.45 IN ‡ 33.35

†Change in contents in Candlewood, Lillinonah, and Zoar Lakes, Shepaug Reservoirs, and diversion out of basin at Lake Candlewood and Shepaug Reservoir, equivalent in cubic feet per second; furnished by Conn. Light and Power Company, city of Waterbury, and city of Danbury.

‡Adjusted for diversion and change in contents.

01205600 West Branch Naugatuck River at Torrington, Conn.

LOCATION.--Lat 41°48'03", long 73°07'26", Litchfield County, on right bank, just downstream from Prospect Street bridge in Torrington, half a mile upstream from confluence with East Branch, and 3 miles downstream from Stillwater Pond.

DRAINAGE AREA.--33.7 sq mi (revised).

PERIOD OF RECORD.--August 1956 to current date.

GAGE.--Water-stage recorder. Datum of gage is 543.54 ft above mean sea level. Prior to Nov. 9, 1959, nonrecording gage.

AVERAGE DISCHARGE.--16 years, 50.3 cfs.

EXTREMES.--Current year: Maximum discharge 2,210 cfs June 30 (gage height, 5.03 ft); minimum daily 7.3 cfs Aug. 24.

Period of record: Maximum discharge 3,600 cfs Sept. 12, 1960 (gage height, 7.46 ft); minimum daily 0.3 cfs Aug. 21, Sept. 1, 1968.

Maximum discharge known occurred on Aug. 19, 1955 (discharge, 11,900 cfs by computation of peak flow over dam 3 miles upstream; drainage area 24.2 sq mi).

REMARKS.--Records good, except those for no gage height record, which are fair. City of Torrington diverts an average of about 4,000,000 gal of water daily for municipal supply, from North Pond, Whist Pond, and Reuben Hart Reservoir. Occasional regulation at low flow by Stillwater Pond. High flow regulated by Hall Meadow Brook Detention Reservoir (see p. 96).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	22	130	110	30	57	131	94	565	296	23	11
2	14	56	82	120	28	109	164	94	256	217	21	10
3	16	58	62	125	29	249	166	110	199	209	88	11
4	15	60	56	96	54	169	129	193	172	303	56	8.4
5	14	34	46	97	80	107	115	178	241	233	19	8.4
6	13	26	54	70	62	86	116	137	120	207	15	7.9
7	12	66	260	66	39	76	123	118	190	171	20	7.7
8	11	63	210	80	33	94	109	105	130	127	43	7.7
9	9.1	61	130	230	29	98	101	145	120	108	26	7.7
10	164	36	130	200	26	70	103	156	165	92	18	7.7
11	151	32	210	130	25	62	110	129	251	76	13	7.7
12	81	29	160	120	23	69	121	112	210	61	12	7.7
13	47	27	120	100	116	81	207	97	173	99	12	10
14	33	25	100	130	178	80	239	89	123	126	22	10
15	27	24	94	90	110	75	205	282	95	88	108	9.9
16	23	33	130	55	95	69	193	284	82	57	53	9.3
17	20	30	110	50	65	372	301	216	93	49	23	8.9
18	17	28	82	56	49	427	266	150	77	38	18	9.3
19	16	25	90	66	46	266	275	98	120	30	16	18
20	15	30	70	50	43	180	342	124	128	26	14	14
21	16	29	67	56	41	160	286	142	107	28	12	12
22	14	29	58	45	39	562	234	112	291	27	9.8	12
23	14	23	125	50	37	580	299	87	329	27	9.1	8.7
24	23	18	86	70	36	520	278	72	409	22	7.3	7.7
25	69	35	94	176	36	500	204	59	313	17	8.6	9.7
26	43	27	78	91	33	200	205	41	305	15	7.9	8.5
27	27	24	72	59	32	170	143	65	243	14	47	10
28	26	22	75	66	32	170	113	40	281	13	82	9.3
29	23	133	64	39	37	129	106	35	195	12	31	8.2
30	20	243	60	35	------	151	97	31	648	12	17	12
31	19	------	78	32	------	130	------	170	------	16	13	------
TOTAL	978.1	1,376	3,150	2,731	1,516	6,003	5,397	3,765	6,794	2,817	842.7	290.4
MEAN	31.6	45.9	102	88.1	52.3	194	180	121	226	90.9	27.2	9.68
MAX	164	243	260	230	178	580	342	284	648	303	108	18
MIN	9.1	18	46	32	23	57	97	31	77	12	7.3	7.7

CAL YR 1971 TOTAL 21,997.4 MEAN 60.3 MAX 773 MIN 3.5
WTR YR 1972 TOTAL 35,650.7 MEAN 97.4 MAX 648 MIN 7.3

NOTE.--No gage height record Dec. 8 to Jan. 24.

01205700 East Branch Naugatuck River at Torrington, Conn.

LOCATION.--Lat 41°48'12", long 73°07'06", Litchfield County, on upstream side of Wall Street bridge in Torrington, 0.3 mile downstream from Troy Brook, and 0.6 mile upstream from confluence with West Branch.

DRAINAGE AREA.--13.7 sq mi (revised).

PERIOD OF RECORD.--August 1956 to current year.

GAGE.--Non-recording gage. Datum of gage is 539.26 ft above mean sea level.

AVERAGE DISCHARGE(adjusted beginning with water year 1966).--16 years, 22.5 cfs (22.30 inches per year).

EXTREMES.--Current year: Maximum discharge, 595 cfs June 30 (gage height, 3.30 ft); minimum observed 2.6 cfs Sept. 10, 11, and 13 (gage height, 1.10 ft).

Period of record: Maximum discharge, 1,500 cfs Aug. 5, 1969 (gage height, 4.85 ft); minimum observed 0.3 cfs Aug. 19, 1963, and Aug. 24, 1964; minimum gage height observed 0.86 ft Aug. 24, 1964.

REMARKS.--Records good. Flow regulated by Lake Winchester, and by East Branch Detention Reservoir (see p. 94).

DISCHARGE, IN CUBIC FEET PER SECOND, FOR STATISTIC 00030, WATER YEAR OCTOBER 1971 TC SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	10	54	50	17	38	44	29	172	145	8.4	6.6
2	5.7	25	30	54	15	57	90	29	84	64	6.6	5.0
3	4.8	22	29	57	15	162	44	41	44	57	6.2	5.0
4	5.3	17	29	43	52	66	41	82	69	135	13	5.0
5	5.0	13	32	44	32	44	38	50	104	68	7.9	4.5
6	5.0	11	41	36	27	58	35	40	44	55	6.2	4.0
7	5.0	50	130	29	24	38	41	32	76	44	6.2	3.7
8	5.0	20	92	32	21	46	34	29	44	38	8.4	3.4
9	4.8	15	57	104	20	49	31	57	47	44	8.4	3.7
10	68	13	60	100	19	45	29	46	135	29	6.6	2.9
11	52	13	94	60	28	40	32	35	82	25	5.7	3.1
12	27	12	60	52	17	36	34	31	47	21	5.3	3.1
13	21	10	50	44	167	35	70	26	41	44	5.0	29
14	15	9.7	41	62	124	27	68	24	35	41	4.8	7.5
15	14	11	42	41	50	35	57	123	32	27	57	4.5
16	11	14	60	25	40	34	52	88	28	22	16	3.7
17	8.8	13	44	22	35	164	90	50	32	17	11	3.4
18	8.8	11	36	23	22	170	64	41	25	15	9.7	3.4
19	8.4	11	42	29	32	130	57	35	62	14	8.8	7.9
20	7.9	13	29	22	52	62	118	60	44	13	7.5	6.6
21	7.5	13	28	25	76	60	130	57	36	15	6.2	4.8
22	7.5	11	25	20	27	167	72	41	130	11	5.7	4.2
23	6.2	11	57	21	24	170	100	32	135	9.7	5.0	4.0
24	14	10	38	35	22	145	98	27	155	8.8	5.3	4.0
25	25	19	38	60	19	68	66	22	116	7.5	4.8	3.7
26	18	20	34	72	18	57	54	19	100	7.1	4.2	4.0
27	13	18	32	30	19	49	46	17	72	17	4.2	4.2
28	11	50	34	25	20	44	38	17	50	7.9	32	3.7
29	9.7	64	28	22	24	44	35	13	54	6.6	14	3.7
30	8.8	137	27	18	------	50	32	12	186	4.8	9.7	10
31	7.9	------	33	17	------	41	------	100	------	7.5	7.5	------
TOTAL	417.3	666.7	1,426	1,274	1,058	2,233	1,698	1,305	2,281	1,020.9	307.3	162.3
MEAN	13.5	22.2	46.0	41.1	36.5	72.0	56.6	42.1	76.0	32.9	9.91	5.41
MAX	68	137	130	104	167	170	130	123	186	145	57	29
MIN	4.8	9.7	25	17	15	27	29	12	25	4.8	4.2	2.9

CAL YR 1971 TOTAL 9,949.0 MEAN 27.3 MAX 265 MIN 2.0
WTR YR 1972 TOTAL 13,849.5 MEAN 37.8 MAX 186 MIN 2.9

01206400 Leadmine Brook near Harwinton, Conn.

LOCATION.--Lat 41°43'46", long 73°03'13", Litchfield County, on left bank upstream from bridge on South Road at Roraback Lodge, 300 ft downstream from Rock Brook, 2.8 miles upstream from mouth, and 3.0 miles south of Harwinton.

DRAINAGE AREA.--19.6 sq mi (revised).

PERIOD OF RECORD.--February 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 514.58 ft above mean sea level.

AVERAGE DISCHARGE.--13 years, 35.8 cfs (24.81 inches per year).

EXTREMES.--Current year: Maximum discharge 840 cfs Mar. 22 (gage height, 6.20 ft); minimum 3.4 cfs Sept. 12,13, (gage height, 1.46 ft).

Period of record: Maximum discharge 1,520 cfs June 4, 1960 (gage height, 8.13 ft), from rating curve extended above 600 cfs; minimum 0.3 cfs Sept 24-28, 1964; minimum gage height, 0.80 August 9, 1961.

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0130	5.10	525
3-03	1330	5.05	512
3-17	1430	5.02	505
3-22	1800	6.20	840
6-30	1100	6.08	804

REMARKS.--Records excellent. Occasional regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	29	67	50	30	55	66	39	230	174	22	11
2	15	44	69	61	28	106	77	42	90	98	16	9.4
3	14	46	64	55	26	358	70	58	55	94	20	8.8
4	14	40	64	63	88	190	59	151	65	102	64	7.3
5	13	33	69	60	68	107	61	89	63	71	29	6.0
6	13	30	60	58	56	90	67	61	49	64	19	5.4
7	13	59	107	[illegible]	61	74	79	57	50	51	17	4.8
8	10	47	164	56	59	109	49	67	39	50	36	4.5
9	12	36	97	71	30	88	46	52	38	52	29	5.2
10	103	36	106	108	29	76	63	56	104	39	21	4.6
11	76	37	80	107	35	63	46	40	51	35	16	3.9
12	55	33	96	93	36	59	60	42	39	32	14	3.5
13	40	29	76	75	140	78	91	37	34	80	12	4.7
14	35	28	67	83	156	68	99	34	31	66	13	13
15	38	29	69	58	96	57	64	175	29	41	75	9.1
16	30	35	89	52	85	56	61	156	29	34	31	6.6
17	26	31	66	65	61	356	96	87	36	31	24	5.4
18	25	30	55	62	67	336	61	66	30	26	20	4.6
19	23	28	60	39	61	178	51	71	67	24	16	63
20	23	29	65	35	40	118	166	60	57	23	13	39
21	22	28	65	36	35	111	127	114	46	26	11	22
22	21	27	63	36	38	308	83	71	184	22	9.1	17
23	21	26	67	35	37	296	137	54	179	18	7.7	13
24	20	26	60	53	36	152	139	47	205	29	13	10
25	53	27	61	70	35	109	87	41	115	18	19	9.3
26	63	36	57	55	36	91	66	36	107	15	16	8.2
27	33	37	57	50	33	76	55	34	87	13	17	9.0
28	30	96	60	46	33	69	40	30	69	12	57	7.9
29	25	116	65	37	38	73	45	27	81	11	22	6.4
30	26	165	53	36	------	79	47	26	391	9.7	16	11
31	25	------	60	31	------	68	------	62	------	12	13	------
TOTAL	928	1,258	2,117	1,782	1,396	4,130	2,186	2,000	2,615	1,366.7	697.8	309.6
MEAN	29.9	41.9	68.3	57.5	48.1	133	72.9	64.5	87.2	44.1	22.5	10.3
MAX	103	165	190	108	156	358	166	175	391	174	75	63
MIN	13	26	53	31	29	55	42	24	29	9.7	7.7	3.5
CFSM	1.53	2.14	3.48	2.93	2.45	6.79	3.72	3.29	4.45	2.25	1.15	.53
IN.	1.76	2.39	4.01	3.38	2.64	7.84	4.15	3.80	4.96	2.59	1.32	.59

CAL YR 1971 TOTAL 14,774.8 MEAN 40.5 MAX 230 MIN 1.8 CFSM 2.06 IN 27.95
WTR YR 1972 TOTAL 20,892.1 MEAN 57.1 MAX 391 MIN 3.5 CFSM 2.91 IN 39.65

01206900 Naugatuck River at Thomaston, Conn.

LOCATION.--Lat 41°40'25", long 73°04'13", Litchfield County, on left bank at downstream side of bridge on U.S. Highway 6 and 202 at Thomaston, 1.5 miles downstream from Thomaston Reservoir, 2.5 miles upstream from Branch Brook, and at mile 29.5.

DRAINAGE AREA.--99.2 sq mi (revised).

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 354.39 ft above mean sea level.

AVERAGE DISCHARGE (adjusted for storage).--13 years, 174 cfs (23.82 inches per year).

EXTREMES.--Current year: Maximum discharge 1,830 cfs Mar. 24 (gage height, 4.46 ft); minimum 15 cfs June 20 (gage height, 1.52 ft); minimum daily 25 cfs Sept. 11

Period of record: Maximum discharge 5,140 cfs Mar. 31, 1960 (gage height, 6.25 ft); minimum 6.6 cfs Sept. 28, 1964 (gage height, 1.39 ft); minimum daily 8.4 cfs Sept. 14, 21, 27, 28, 1964.

Flood of Aug. 19, 1955 reached a stage of 27.0 ft from floodmarks by Corps of Engineers (discharge 53,400 cfs, revised), from slope-area measurement of peak flow on Naugatuck River (71.9 sq mi) and Leadmine Brook (24.0 sq mi) adjusted for intervening drainage area.

REMARKS.--Records excellent. Slight diurnal fluctuation at low flow. Flow regulated by Thomaston Reservoir, Hall Meadow Brook and East Branch Detention Reservoirs near Torrington, and Lake Winchester (see p. 94).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	102	252	170	131	239	317	211	625	1,090	88	66
2	57	176	405	255	113	458	303	220	1,150	1,630	71	40
3	86	192	276	653	120	267	356	264	710	1,390	117	38
4	55	162	195	307	470	661	312	470	270	1,040	335	36
5	51	131	147	280	280	1,030	290	651	576	619	95	33
6	50	137	195	220	210	1,070	292	326	270	470	67	31
7	55	235	857	206	167	375	287	260	369	377	61	30
8	62	196	1,060	186	150	467	265	232	269	308	145	29
9	60	142	870	207	135	335	273	291	234	287	92	28
10	236	170	605	763	177	266	216	320	733	220	73	26
11	461	131	672	616	118	213	236	266	575	190	57	25
12	651	109	503	660	112	205	250	218	356	166	51	26
13	260	102	373	353	151	337	809	140	295	341	68	37
14	166	96	207	330	533	303	617	173	233	357	53	60
15	135	100	335	763	580	253	610	210	197	214	250	39
16	173	170	340	210	577	295	363	807	174	160	135	32
17	100	112	315	268	363	673	617	535	196	151	86	28
18	93	102	255	186	196	815	469	355	167	128	72	27
19	86	88	197	196	[illegible]	1,350	606	290	131	115	63	134
20	81	106	152	179	200	1,570	626	600	652	110	56	82
21	77	90	190	173	150	1,320	303	513	570	113	47	56
22	75	93	183	151	180	860	681	330	677	106	43	46
23	77	93	167	162	170	1,220	766	266	690	87	39	39
24	86	90	237	235	167	1,670	793	257	753	108	45	35
25	203	96	265	125	158	1,570	633	176	1,600	78	54	33
26	166	122	328	283	156	813	635	153	1,300	66	66	33
27	120	111	217	191	166	640	363	130	715	65	62	37
28	111	361	308	177	163	357	291	126	366	61	252	36
29	130	270	167	173	163	368	267	113	315	56	90	30
30	91	683	313	150	------	306	222	106	270	60	64	42
31	65	------	250	146	------	337	------	277	------	56	51	------
TOTAL	4,221	4,657	11,191	8,260	7,192	20,235	12,664	9,598	14,622	10,257	2,820	1,193
MEAN	136	155	361	266	248	653	422	310	487	331	91.0	39.8
MAX	651	683	1,060	763	580	1,670	809	807	1,600	1,630	335	134
MIN	50	73	147	125	112	203	216	106	131	60	39	25
(†)	0	+16	-15	0	0	0	0	+1.0	+35	-36	0	-1.4
MEAN ‡	136	171	346	266	248	653	422	311	522	295	91.0	38.4
CFSM ‡	1.37	1.72	3.49	2.68	2.50	6.58	4.25	3.14	5.26	2.97	0.92	0.37
IN ‡	1.58	1.92	4.02	3.09	2.70	7.59	4.74	3.62	5.87	3.42	1.06	0.41

CAL YR 1971 74,917 MEAN 205 MAX 1,060 MIN 16 MEAN ‡ 205 CFSM ‡ 2.07 IN ‡ 28.10
WTR YR 1972 106,863 MEAN 292 MAX 1,670 MIN 25 MEAN ‡ 292 CFSM ‡ 2.94 IN ‡ 40.02

† Change in contents in Hall Meadow Brook and East Branch Detention Reservoirs, Lake Winchester, and Thomaston Reservoir, equivalent in cubic feet per second, furnished by Corps of Engineers.

‡ Adjusted for change in contents.

01206900 Branch Brook near Thomaston, Conn.

LOCATION.--41°39'26", long 73°06'10", Litchfield County, on left bank 200 ft below outlet of Black Rock Reservoir and 1.8 miles southwest of Thomaston.

DRAINAGE AREA.--20.6 sq mi (revised).

PERIOD OF RECORD.--June 24, 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 377.21 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 390 cfs Mar. 19 (gage height, 2.98 ft); minimum 1.0 cfs Aug. 29-31, Sept. 1, 2, 6-9, 12, 13, 15.
Period of record: Maximum discharge 494 cfs Sept. 14, 1971 (gage height, 3.11 ft); minimum, 1.0 cfs many days 1972.

REMARKS.--Records good. Flow regulated by Black Rock Reservoir immediately upstream and by storage by city of Waterbury in Wigwam, Morris, and Pitch Reservoirs further upstream (see p. 94).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	11	172	23	13	27	32	26	100	96	6.4	1.0
2	6.2	19	67	29	12	81	33	27	56	105	5.0	1.0
3	7.7	31	23	98	13	77	33	33	31	22	3.4	2.4
4	7.4	48	21	56	61	146	28	71	25	65	5.2	4.9
5	9.6	16	21	64	25	206	29	90	27	28	2.4	2.2
6	4.8	14	24	66	26	190	31	40	21	26	2.3	1.0
7	6.4	26	205	30	22	40	30	36	27	19	4.0	1.0
8	7.8	20	179	28	17	75	28	36	23	21	7.0	1.0
9	3.0	14	98	29	14	95	28	36	24	20	3.0	1.0
10	13	13	76	128	14	36	27	40	68	14	5.7	2.4
11	110	13	81	88	13	30	26	35	35	12	1.9	1.8
12	25	12	60	66	14	57	28	33	25	10	1.8	1.0
13	11	13	48	50	28	80	42	28	21	11	1.8	1.0
14	10	13	33	64	71	90	96	29	20	28	6.7	2.0
15	9.9	13	36	43	117	59	40	104	19	17	9.8	1.0
16	9.9	14	55	27	58	32	39	113	20	10	3.4	1.1
17	10	12	42	22	25	78	57	68	36	9.0	2.2	3.8
18	9.5	11	46	70	22	136	49	48	29	8.5	1.9	17
19	8.2	11	26	20	22	321	25	38	39	8.0	2.3	13
20	7.9	12	20	19	21	237	67	95	106	9.5	4.0	8.0
21	7.9	13	19	19	21	51	83	63	36	8.0	5.7	6.0
22	7.9	14	25	19	20	97	49	36	90	7.0	1.4	4.5
23	8.4	13	18	21	22	219	83	26	122	6.0	1.3	3.8
24	11	10	25	25	25	184	85	21	149	5.4	1.3	3.4
25	14	18	43	29	22	65	97	18	183	4.6	1.3	3.5
26	12	18	26	23	24	92	41	16	99	4.0	1.2	3.2
27	9.7	15	23	22	27	40	33	17	77	3.6	3.2	2.6
28	9.8	40	21	20	20	33	29	18	56	3.5	4.2	3.5
29	8.5	66	21	19	16	30	27	17	24	3.4	1.0	4.5
30	9.3	155	22	18	------	30	28	15	56	3.3	1.0	5.4
31	11	------	91	16	------	31	------	26	------	4.5	1.0	------
TOTAL	383.5	706	1,601	1,179	841	2,783	1,263	1,218	1,626	552.3	98.8	108.0
MEAN	12.4	23.5	51.6	38.0	29.0	89.8	41.6	39.3	54.2	17.8	3.19	3.60
MAX	110	155	205	128	117	321	85	113	183	105	9.8	17
MIN	2.8	10	18	16	12	27	25	15	19	3.3	1.0	1.0

CAL YR 1971 TOTAL 2,690.90 MEAN 7.37 MAX 205 MIN 0
WTR YR 1972 TOTAL 12,359.60 MEAN 33.7 MAX 321 MIN 1.0

01208420 Hop Brook near Naugatuck, Conn.

LOCATION.--Lat 41°30'21", long 73°03'31", New Haven County, on left bank 30 feet downstream from Porter Avenue bridge at the borough of Naugatuck golf course, 400 feet east of State Highway 63, 0.8 mile downstream from Hop Brook Lake, 1.4 miles north of Naugatuck, and 0.6 mile upstream from mouth.

DRAINAGE AREA.--16.3 sq mi.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 206.29 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 295 cfs Mar. 14 (gage height, 3.35 ft); minimum, 0.86 cfs Sept. 23 (gage height, 1.28 ft).

Period of record: Maximum discharge 482 cfs Feb. 5, 1970 (gage height, 3.88 ft); minimum 0.06 cfs Aug. 20, 23, 1970 (gage height, 0.31 ft).

Flood of August 19, 1955 reached a discharge of 2,650 cfs (gage height, 5.96 ft) by computation of peak flow by flow-through culvert method.

REMARKS.--Records good. Flow regulated by Hop Brook Lake (see p. 94).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	31	130	30	19	30	38	27	103	231	19	6.1
2	16	40	57	35	17	60	37	32	265	120	9.8	4.9
3	17	37	30	110	17	87	36	43	95	55	7.4	3.0
4	16	32	22	92	70	150	34	87	65	57	7.6	3.3
5	15	25	23	75	40	220	39	50	71	48	6.1	2.9
6	15	23	25	55	30	150	39	37	64	40	6.9	2.1
7	15	40	45	40	26	50	34	32	52	38	6.8	2.2
8	14	32	200	35	23	95	30	35	36	34	10	2.0
9	13	26	120	40	22	64	28	48	32	29	9.0	1.7
10	56	24	95	150	21	47	26	48	70	27	6.5	1.9
11	132	23	80	100	29	42	27	36	39	24	6.9	1.6
12	130	22	70	84	41	59	27	32	26	22	6.2	1.9
13	21	21	52	62	25	71	48	27	24	65	6.1	1.7
14	27	20	36	74	57	62	51	25	22	51	6.9	5.0
15	33	20	40	50	220	279	34	56	21	29	69	5.7
16	30	23	57	38	53	153	32	89	25	24	36	5.3
17	27	21	50	30	36	65	47	49	38	24	9.6	4.2
18	25	20	40	27	31	126	32	39	32	21	9.4	2.3
19	24	20	28	26	28	267	28	34	60	21	9.4	3.2
20	100	20	21	26	27	150	63	57	100	19	9.4	1.1
21	25	19	21	27	26	65	58	54	133	24	9.1	.98
22	23	14	26	26	25	80	67	37	107	19	9.0	.98
23	22	8.4	20	27	25	249	80	30	143	15	9.0	.86
24	26	8.9	25	28	25	118	55	26	164	14	10	.93
25	41	9.5	44	32	24	64	43	24	260	11	9.1	.98
26	31	9.7	28	25	24	56	37	22	147	9.7	9.0	.90
27	26	10	24	20	26	50	33	20	79	8.6	9.0	1.0
28	23	51	22	21	24	65	31	19	60	8.0	8.9	.98
29	21	61	22	19	24	42	29	17	50	7.0	8.6	.90
30	20	129	24	20	------	41	27	16	80	6.1	8.6	1.3
31	19	------	55	18	------	60	------	66	------	6.4	8.8	------
TOTAL	1,023	840.5	1,527	1,442	1,089	3,050	1,170	1,254	2,427	1,172.8	328.9	70.97
MEAN	33.0	28.0	49.3	46.5	37.6	98.4	39.0	40.5	80.9	37.8	10.6	2.37
MAX	132	129	200	150	220	279	80	96	268	231	69	6.1
MIN	13	8.4	20	18	17	30	26	16	21	6.1	6.1	.86

CAL YR 1971 TOTAL 12,143.40 MEAN 33.3 MAX 220 MIN 1.1
WTR YR 1972 TOTAL 15,345.07 MEAN 41.9 MAX 279 MIN .86

01208500 Naugatuck River at Beacon Falls, Conn.

LOCATION.--Lat 41°26'32", long 73°03'47", New Haven County, on left bank at downstream side of Bridge Street highway bridge at Beacon Falls, 0.4 mile upstream from Bronson Brook, and at mile 10.1.

DRAINAGE AREA.--259 sq mi (revised).

PERIOD OF RECORD.--June 1918 to September 1924, September 1928 to September 1955 (published as "near Naugatuck"), October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 117.28 ft above mean sea level. Prior to Oct. 1, 1955, water-stage recorder at site 2.5 miles upstream at datum 37.09 ft higher. Oct. 1, 1955 to Mar. 21, 1957, nonrecording gage at present site and datum.

AVERAGE DISCHARGE(adjusted for storage and diversion).--50 years, (1918-72) 471 cfs (24.69 inches per year).

EXTREMES.--Current year: Maximum discharge 4,850 cfs Mar. 3 (gage height, 7.90 ft); minimum 138 cfs Sept. 10 (gage height, 2.11 ft); minimum daily 139 cfs Sept. 10.

Period of record: Maximum discharge 106,000 cfs Aug. 19, 1955 (gage height, 25.7 ft from floodmarks), from rating curve extended above 9,000 cfs on basis of slope-area measurements at gage heights 12.4 and 25.7 ft (site and datum then in use); minimum 24 cfs Oct. 21, 1935; minimum daily 40 cfs Oct. 5, 12, 1930, Sept. 7, 7, 1936; minimum gage height (present site and datum), 1.32 ft August 28, 1966.

Flood in November 1927 reached a stage of 16 ft, site and datum then in use (discharge about 26,000 cfs).

REMARKS.--Records fair. Flow regulated by Lake Winchester, East Branch, Hall Meadow Brook, Thomaston, Pitch, Morris, Wigwam Reservoirs and Northfield Brook, Black Rock, Hancock Brook, and Hop Brook Lakes (see p. 90) and during low flow by plants upstream. Flow increased by diversion from Shepaug Reservoir into Naugatuck River basin. Town of Watertown diverts about 600,000 gallons per day for municipal supply from Pomperaug River basin into Naugatuck River about 10 miles upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	441	1,040	672	451	802	825	640	2,650	2,440	290	195
2	170	529	1,110	779	491	1,930	885	641	2,370	2,600	260	178
3	163	600	601	1,290	407	3,650	877	852	1,990	2,140	226	176
4	160	600	624	1,010	565	2,420	831	1,690	1,010	1,970	446	161
5	155	530	568	1,090	865	2,410	808	1,290	1,290	1,430	275	165
6	152	600	600	871	610	2,220	817	931	926	1,200	210	164
7	150	700	1,970	716	590	1,490	793	782	980	1,000	262	166
8	144	600	2,200	650	486	1,440	695	770	834	872	316	142
9	140	560	1,720	579	473	1,280	647	855	854	779	272	152
10	907	600	1,230	1,910	464	926	611	964	2,000	678	241	139
11	1,490	630	1,260	1,390	640	807	601	814	1,390	509	216	150
12	1,100	600	1,130	1,190	670	1,000	642	696	967	512	199	154
13	657	570	990	949	631	1,370	866	624	826	940	189	145
14	616	560	814	1,090	1,610	1,090	1,320	988	765	1,060	243	226
15	675	570	848	922	1,010	942	953	1,760	655	674	676	189
16	650	650	951	840	1,960	921	840	1,950	670	936	375	167
17	598	600	868	564	1,610	2,990	1,170	1,380	1,980	697	262	155
18	570	560	722	555	998	2,730	1,000	1,020	882	442	236	160
19	572	560	602	576	600	2,770	855	879	1,960	630	224	615
20	605	570	591	577	900	2,760	1,290	1,070	1,960	503	205	298
21	365	550	580	570	900	2,140	1,700	1,300	1,900	637	198	226
22	352	560	575	560	900	2,640	1,980	942	2,050	374	202	203
23	322	320	602	566	900	2,780	1,600	742	2,950	310	196	181
24	590	290	592	642	523	2,720	1,560	657	2,730	322	288	164
25	581	315	811	730	514	2,340	1,310	556	2,960	293	261	172
26	566	620	662	735	903	1,600	1,010	536	2,520	296	215	185
27	655	600	652	563	647	1,160	892	678	1,910	291	200	177
28	604	893	612	918	910	1,010	756	665	1,280	237	343	172
29	607	1,070	597	666	990	910	695	666	1,060	211	286	166
30	607	1,910	668	666	-------	953	656	625	2,370	196	230	197
31	611	-------	929	662	-------	892	-------	1,040	-------	216	206	-------
TOTAL	13,084	15,720	28,404	23,717	20,814	54,552	28,760	27,845	46,385	24,409	8,050	5,600
MEAN	422	524	916	765	718	1,760	958	898	1,546	787	260	187
MAX	1,490	1,910	2,200	1,910	1,960	3,650	1,700	1,950	2,960	2,600	474	615
MIN	140	290	492	442	470	802	601	625	655	196	189	139
(†)	-56	+42	-34	-20	-10	-2	-8	-15	+38	-62	-38	-40
MEAN ‡	366	566	882	745	708	1,758	950	883	1,584	725	222	147
CFSM ‡	1.41	2.19	3.40	2.88	2.73	6.79	3.67	3.41	6.12	2.80	0.86	0.57
IN	1.63	2.44	3.92	3.32	2.94	7.83	4.10	3.93	6.83	3.23	0.96	0.66

CAL YR 1971 TOTAL 199,291 MEAN 546 MAX 2,770 MIN 41 MEAN ‡ 525 CFSM ‡ 2.03 IN ‡ 27.56
WTR YR 1972 TOTAL 297,336 MEAN 812 MAX 3,650 MIN 139 MEAN ‡ 795 CFSM ‡ 3.07 IN ‡ 41.74

† Change in contents in Lake Winchester, Pitch, Morris, and Wigwam Reservoirs diversion from Shepaug Reservoir and change in contents in Hall Meadow Brook, East Branch, Black Rock, Thomaston, Northfield, and Hop Brook Reservoirs, equivalent in cubic feet per second, furnished by city of Waterbury and Corps of Engineers.

‡ Adjusted for diversion and change in contents.

Reservoirs in Housatonic River basin

01201000. LAKE CANDLEWOOD (ROCKY RIVER RESERVOIR).--Lat 41°35'00", long 73°26'00", Litchfield County, Conn., on Rocky River, 2 miles west of New Milford. Drainage area, 40.5 sq mi. Usable capacity, 6,210,000,000 cu ft. Records available, August 1928 to current year. Completed in 1928 for storage of water for power; impounds water pumped from the Housatonic River during off peak power periods. Records furnished by Connecticut Light and Power Co.

01201999. CAIRNS RESERVOIR (formerly published as UPPER SHEPAUG RESERVOIR).--Lat 41°44'40", long 73°18'05", Litchfield County, Conn., on West Branch Shepaug River, 2.6 miles north of Woodville. Drainage area, 10.2 sq mi. Usable capacity, 360,000,000 cu ft. Records available November 1964 to current year. Completed in 1964 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01202000. SHEPAUG RESERVOIR.--Lat 41°43'24", long 73°17'37", Litchfield County, Conn., on Shepaug River, 1 mile north of Woodville. Drainage area, 38.0 sq mi. Usable capacity, 96,100,000 cu ft, of which 76,900,000 cu ft can be diverted for municipal supply. Storage below diversion intake can be released through floodgates or through a fountain at toe of dam. Records available, January 1933 to current year. Completed in September 1933 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01203500. LAKE LILLINONAH.--Lat 41°28'12", long 73°17'40", Litchfield County, Conn., on Housatonic River, and Fairfield County, Conn., 2.3 miles north of Newtown. Drainage area, 1,302 sq mi. Usable capacity above taintor gate sills, 1,756,000,000 cu ft. Normal operating volume formerly called "usable capacity", 235,000,000 cu ft (revised). Previously published figures of contents were those for total contents, including dead storage below taintor gate sills. Records available January 1955 to current year. Completed in 1955 for storage of water for power. Records furnished by Connecticut Light and Power Company.

01205000. LAKE ZOAR.--Lat 41°23'00", long 73°10'10", Fairfield County, Conn., on Housatonic River at Stevenson. Drainage area, 1,541 sq mi. Usable capacity, 331,000,000 cu ft. Records available, August 1928 to current year. Completed in 1919 for storage of water for power. Records furnished by Connecticut Light and Power Company.

01205560. HALL MEADOW BROOK DETENTION RESERVOIR.--Lat 41°52'18", long 73°10'04", Litchfield County, Conn., on Hall Meadow Brook in West Branch Naugatuck River basin, 5.2 miles north of Torrington. Drainage area, 12.0 sq mi. Usable capacity, 375,000,000 cu ft. Records available, October 1964 to current year. Completed in 1962 by Corps of Engineers for recreation and flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01205610. LAKE WINCHESTER.--Lat 41°54'27", long 73°09'08", Litchfield County, Conn., 1 mile northeast of Winchester on East Branch Naugatuck River. Drainage area, 2.18 sq mi. Usable capacity, 98,800,000 cu ft based on lake survey by the Connecticut Board of Fisheries and Game. Records available, September 1965 to current year. Completed in 1936 for storage of water for power. Lake is presently used for conservation and recreation.

01205650. EAST BRANCH DETENTION RESERVOIR.--Lat 41°50'13", long 73°07'15", Litchfield County, Conn., on East Branch Naugatuck River, 2.3 miles north of Torrington. Drainage area, 9.30 sq mi. Usable capacity, 189,500,000 cu ft. Records available, March 1965 to current year. Completed in 1964 by Corps of Engineers for recreation and flood control. Operated and maintained by Park and Forest Commission of Conn. Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01206600. THOMASTON RESERVOIR.--Lat 41°41'41", long 73°03'44", Litchfield County, Conn., on Naugatuck River, 0.2 mile downstream from Leadmine Brook, 1.5 miles north of Thomaston, and at mile 31.0 (revised). Drainage area, 96.1 sq mi. Usable capacity, 1,830,000,000 cu ft. Records available, January 1961 to current year. Completed in December 1960 by Corps of Engineers for flood control. Records furnished by Corps of Engineers.

01206940. NORTHFIELD BROOK LAKE.--Lat 41°40'48", long 73°05'27", Litchfield County, Conn., on Northfield Brook in Naugatuck River basin, 1 mile northeast of Thomaston. Drainage area, 5.52 sq mi. Usable capacity, 102,000,000 cu ft. Permanent pool capacity, 3,600,000 cu ft. Records available, September 1965 to current year. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01207000. PITCH RESERVOIR.--Lat 41°41'34", long 73°09'04", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 4 miles northwest of Thomaston. Drainage area, 5.30 sq mi. Usable capacity, 189,000,000 cu ft (revised). Records available, October 1943 to current year. Completed in 1943 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01207500. MORRIS RESERVOIR.--Lat 41°40'29", long 73°08'39", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 3.5 miles west of Thomaston. Drainage area, including Pitch Reservoir, 12.0 sq mi. Usable capacity, 265,600,000 cu ft (revised). Records available, May 1918 to September 1924, September 1928 to current year. Completed in 1913 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01208000. WIGWAM RESERVOIR.--Lat 41°39'50", long 73°07'41", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 3 miles west of Thomaston. Drainage area, including Pitch and Morris Reservoirs, 17.5 sq mi. Usable capacity, 98,500,000 cu ft (revised). Records available, May 1918 to September 1924, September 1928 to current year. Completed in 1882 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01208011. BLACK ROCK LAKE.--Lat 41°39'26", long 73°06'13", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 1.8 miles southwest of Thomaston. Drainage area, 20.5 sq mi. Permanent pool capacity, 11,543,000 cu ft. Records available October 1970 to current year. Completed in 1970 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01208130. HANCOCK BROOK LAKE.--Lat 41°37'23", long 73°02'12", Litchfield County, Conn., on Hancock Brook in Naugatuck River basin, 1.1 miles southwest of Hancock. Drainage area, 11.9 sq mi. Usable capacity, 170,000,000 cu ft. Permanent pool capacity, 5,700,000 cu ft. Records available, September 1965 to current year. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

Reservoirs in Housatonic River basin--continued

01208410. HOP BROOK LAKE.--Lat 41°30'50", long 73°04'03", New Haven County, Conn., on Hop Brook in Naugatuck River basin, 1.2 miles northwest of Union City. Drainage area, 16.0 sq mi. Capacity, 304,000,000 cu ft. Records available, February 1969 to current year. Completed in 1969 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

Month-end usable contents in millions of cubic feet, water year October 1971 to September 1972

Date	Lake Candlewood	Cairns Reservoir	Shepaug Reservoir	Lake Lillinonah	Lake Zoar	Hall Meadow Brook Detention Reservoir	
Sept. 30, 1971....	5,606	289	94.2	1,592	253.5	0.5	
Oct. 31...........	5,678	321	96.1	1,580	298.7	.5	
Nov. 30...........	5,836	353	100.3	1,676	326.2	.6	
Dec. 31...........	5,895	363	98.4	1,552	262.5	1.2	
Jan. 31, 1972.....	5,535	362	96.9	1,708	294.1	.9	
Feb. 29...........	5,460	365	97.0	1,559	289.6	.9	
Mar. 31...........	5,654	364	99.0	1,521	368.0	1.5	
Apr. 30...........	5,967	363	98.6	1,590	294.1	1.4	
May 31...........	5,943	363	96.9	1,582	312.5	.9	
June 30...........	6,076	367	102.6	1,575	377.3	---	
July 31...........	5,858	360	88.9	1,597	387.9	---	
Aug. 31...........	5,871	361	78.3	490	303.3	.6	
Sept. 30...........	5,895	331	68.7	1,521	298.7	.5	

Date	Lake Winchester	East Branch Detention Reservoir	Thomaston Reservoir	Northfield Brook Lake	Pitch Reservoir	Morris Reservoir	
Sept. 30, 1971....	116.2	0.1	0.2	0.6	189.5	262.4	
Oct. 31...........	116.2	.4	.3	.7	189.5	266.3	
Nov. 30...........	116.2	1.2	39.6	---	189.5	268.0	
Dec. 31...........	116.2	.1	.6	---	189.2	266.0	
Jan. 31, 1972.....	116.2	.2	.3	---	189.2	263.0	
Feb. 29...........	116.2	.1	.4	---	187.1	267.0	
Mar. 31...........	116.2	.1	.9	---	187.8	265.6	
Apr. 30...........	116.2	.6	.6	---	189.2	267.7	
May 31...........	116.2	.2	4.0	---	186.6	259.7	
June 30...........	116.2	---	96.2	4.6	185.7	270.8	
July 31...........	116.2	---	.2	---	184.4	263.7	
Aug. 31...........	116.2	.1	.2	---	184.4	261.0	
Sept. 30...........	112.8	.1	.2	4.7	184.4	254.6	

Date	Wigwam Reservoir	Black Rock Lake	Hancock Brook Lake	Hop Brook Lake
Sept. 30, 1971....	98.5	13.3	8.4	5.8
Oct. 31...........	98.8	13.2	8.9	8.8
Nov. 30...........	100.5	18.5	---	15.2
Dec. 31...........	99.2	11.7	7.2	7.9
Jan. 31, 1972.....	98.8	11.1	5.7	7.5
Feb. 29...........	98.7	11.2	6.6	7.6
Mar. 31...........	99.0	11.6	6.9	7.6
Apr. 30...........	98.9	13.5	6.6	7.7
May 31...........	98.9	13.3	7.5	8.6
June 30...........	102.5	25.7	---	17.2
July 31...........	98.7	13.4	5.4	13.1
Aug. 31...........	98.6	13.2	7.2	3.2
Sept. 30...........	98.5	13.3	7.2	4.5

01208950 Sasco Brook near Southport, Conn.

LOCATION.--Lat 41°09'10", long 73°18'23", Fairfield County, on downstream side of bridge on Hulls Farm Road, 1.5 miles northwest of Southport.

DRAINAGE AREA.--7.27 sq mi (revised).

PERIOD OF RECORD.--Water years 1961-64 (occasional low-flow measurements and annual maximum). October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 52.01 ft above mean sea level. Prior to October 6, 1964, crest-stage indicator; October 6, 1964 to June 16, 1966, graphic water-stage recorder, and June 17, 1966 to May 1, 1969 wire-weight and crest-stage indicator at same site and datum.

AVERAGE DISCHARGE.--8 years, 11.2 cfs (20.92 inches per year).

EXTREMES.--Current year: Maximum discharge 1,640 cfs June 19 (gage height, 7.00 ft); minimum, 0.60 cfs Sept. 29 (gage height, 0.98 ft).
Period of record: Maximum discharge 1,640 cfs June 19, 1972 (gage height, 7.00 ft); minimum 0.01 cfs Oct. 1, 2, 6-12, 1964 and August 13, 14, August 29 to September 3, 1966.

PEAK DISCHARGE.--(Base, 125 cfs):

DATE	TIME	G.HT	DISCHARGE
3-17	----	3.46	200
3-22	----	3.06	140
6-19	1130	7.00	1,640
6-22	2100	3.38	251

REMARKS.--Records good, except for periods of missing record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	14	27	14	8.3	20	19	14	42	64	3.6	1.6
2	6.1	30	18	19	8.8	30	18	14	30	34	3.4	1.6
3	5.9	21	15	25	13	98	17	20	25	36	3.1	1.6
4	5.4	16	15	21	51	58	17	32	20	49	3.3	1.5
5	5.1	12	13	29	17	43	16	25	17	29	2.9	1.5
6	4.9	11	19	19	11	35	15	19	16	25	2.7	1.5
7	4.7	16	55	15	11	31	14	16	15	19	9.1	1.4
8	4.3	15	37	13	9.9	39	14	17	14	16	20	1.3
9	4.2	11	24	13	9.2	34	13	23	13	14	7.0	1.1
10	45	11	20	25	8.6	26	13	24	15	12	4.6	1.1
11	43	10	19	20	8.3	24	13	20	15	11	3.4	1.1
12	18	9.8	17	18	8.2	30	13	17	12	9.8	3.0	.99
13	12	9.7	16	16	30	35	15	15	11	44	3.0	1.0
14	10	9.2	15	17	37	33	21	13	11	34	2.7	1.1
15	9.6	11	18	14	26	30	16	42	11	16	4.2	.99
16	9.1	12	18	10	20	40	16	35	22	10	4.0	.92
17	8.5	10	15	9.3	17	142	20	25	117	9.7	3.2	.86
18	8.0	9.6	13	9.8	15	100	15	20	54	8.7	3.9	.73
19	7.6	9.4	12	11	14	70	14	18	785	7.8	3.5	1.7
20	7.3	9.7	13	11	13	50	25	29	219	7.2	2.7	.95
21	7.4	9.3	13	12	13	40	27	28	99	7.0	2.6	.86
22	7.4	9.3	12	11	13	56	26	25	147	6.5	2.4	.86
23	7.4	8.8	11	12	13	60	32	18	139	5.6	2.2	.86
24	9.4	8.4	13	12	12	50	27	15	163	5.0	2.1	.86
25	14	19	15	12	12	40	22	14	84	4.3	2.1	.86
26	11	17	14	10	12	30	19	12	68	4.1	2.1	.79
27	9.1	14	13	9.0	12	27	17	11	94	3.8	2.1	.79
28	8.6	39	12	9.0	12	24	16	11	37	3.7	2.1	.77
29	8.0	31	11	8.7	14	22	16	10	30	3.2	1.9	.73
30	7.7	58	17	9.0	------	21	15	9.6	85	3.2	1.9	.79
31	7.6	------	26	8.7	------	20	------	9.8	------	3.3	1.8	------
TOTAL	322.9	471.2	556	442.5	449.3	1,358	541	601.4	2,377	505.9	116.6	32.71
MEAN	10.4	15.7	17.9	14.3	15.5	43.8	18.0	19.4	79.2	16.3	3.76	1.09
MAX	45	58	55	29	51	142	32	42	785	64	20	1.7
MIN	4.2	8.4	11	8.7	8.2	20	13	9.6	11	3.2	1.8	.73
CFSM	1.43	2.16	2.46	1.97	2.13	6.02	2.48	2.67	10.9	2.24	.52	.15
IN.	1.65	2.41	2.85	2.26	2.30	6.95	2.77	3.08	12.16	2.59	.60	.17

CAL YR 1971 TOTAL 4,944.27 MEAN 13.5 MAX 153 MIN .28 CFSM 1.86 IN 25.30
WTR YR 1972 TOTAL 7,774.51 MEAN 21.2 MAX 785 MIN .73 CFSM 2.92 IN 39.78

NOTE.--No gage height record Feb. 9 to Mar. 2, Apr. 6 to June 6, June 18, 19.

01208990 Saugatuck River near Redding, Conn.

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, on downstream side of bridge on State Highway 53, 100 ft south of the intersection of State Highways 53 and 107, 0.8 mile upstream from Saugatuck Reservoir, and one mile southwest of Redding.

DRAINAGE AREA.--20.8 sq mi (revised).

PERIOD OF RECORD.--Water year 1961 (occasional low-flow measurements), water years 1962-64 (occasional low-flow measurements and annual maximum). October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 285.42 ft above mean sea level. Prior to October 1, 1969 non-recording gage and crest-stage gage.

AVERAGE DISCHARGE.--8 years, 34,3 cfs (22.39 inches per year).

EXTREMES.--Current year: Maximum discharge 851 cfs June 19 (gage height, 4.33 ft : minimum 1.3 cfs Sept. 30 (gage height, 1.04 ft).

Period of record.--Maximum discharge 2,160 cfs March 25, 1969 (gage height, 5.88 ft); minimum observed 0.05 cfs Sept. 2, 1966 (gage height, 0.66 ft).

PEAK DISCHARGE.--(Base, 200 cfs):

DATE	TIME	G.HT	DISCHARGE	DATE	TIME	G.HT	DISCHARGE
10-10	1330	3.26	253	6-01	0130	2.97	207
3-03	unkn	unkn	384	6-19	1400	4.33	851
3-17	1330	3.67	485	6-24	0300	3.91	605
3-22	1930	3.51	405	6-30	0830	3.11	248

REMARKS.--Records good, except for winter period which is fair. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	41	101	38	16	72	64	38	133	160	10	2.8
2	23	49	81	56	16	100	59	39	90	123	8.6	2.4
3	22	45	67	68	25	220	54	53	75	100	9.9	3.0
4	20	40	58	60	105	170	52	90	59	93	13	2.8
5	19	34	49	68	70	150	54	68	61	81	8.9	2.4
6	18	31	60	59	45	120	50	58	46	73	7.7	3.9
7	17	41	130	49	35	105	44	51	43	61	26	7.8
8	15	37	111	41	32	125	40	47	36	54	48	8.9
9	14	32	97	49	31	105	36	71	32	46	24	8.7
10	119	30	84	66	28	94	34	77	51	41	16	7.4
11	134	29	78	59	27	80	34	64	37	37	12	5.7
12	86	29	68	55	26	90	32	56	31	34	9.6	4.3
13	65	28	61	51	70	115	52	47	28	89	8.8	3.6
14	50	27	56	54	125	110	59	43	28	84	7.7	3.4
15	42	26	59	45	90	125	47	129	26	57	14	3.1
16	36	28	59	35	70	150	46	102	29	41	11	2.7
17	32	26	52	30	56	263	59	84	113	37	8.7	2.3
18	30	24	47	26	48	318	43	68	90	31	8.1	2.1
19	30	24	40	24	46	246	36	59	612	26	7.3	2.7
20	29	24	40	26	44	179	68	90	507	27	6.2	2.6
21	28	23	38	26	43	151	75	90	317	23	5.4	2.2
22	27	25	35	27	42	239	72	75	409	20	4.9	2.0
23	26	23	30	28	41	254	95	61	399	16	4.5	1.9
24	29	21	38	30	41	192	79	51	468	14	4.2	1.8
25	44	27	41	31	41	149	69	43	312	12	4.4	1.8
26	39	29	37	28	41	121	60	37	257	11	3.9	1.7
27	35	34	36	28	40	102	53	31	210	9.6	3.6	1.6
28	31	76	33	21	40	91	48	28	163	9.1	3.6	1.6
29	28	79	31	19	40	82	43	26	129	8.3	3.2	1.4
30	25	129	39	18	------	76	40	26	203	7.8	3.2	1.6
31	25	------	57	17	------	69	------	62	------	8.0	3.3	------
TOTAL	1,162	1,111	1,813	1,232	1,374	4,463	1,597	1,864	4,994	1,433.8	309.7	100.2
MEAN	37.5	37.0	58.5	39.7	47.4	144	53.2	60.1	166	46.3	9.99	3.34
MAX	134	129	130	68	125	318	95	129	612	160	48	8.9
MIN	14	21	30	17	16	69	32	26	26	7.8	3.2	1.4
CFSM	1.80	1.78	2.81	1.91	2.28	6.92	2.56	2.89	7.98	2.23	.48	.16
IN.	2.08	1.99	3.24	2.20	2.46	7.98	2.86	3.33	8.93	2.56	.55	.18

CAL YR 1971 TOTAL 15,799.0 MEAN 43.3 MAX 474 MIN 2.5 CFSM 2.08 IN 28.26
WTR YR 1972 TOTAL 21,453.7 MEAN 58.6 MAX 612 MIN 1.4 CFSM 2.82 IN 38.37

NOTE.--Well frozen during the period January 16 to March 6.

01209700 Norwalk River at South Wilton, Conn.

LOCATION.--Lat 41°09'49", long 73°25'11", Fairfield County, on right bank at upstream side of bridge on Kent Road at South Wilton, 2.5 miles north of Norwalk.

DRAINAGE AREA.--30.0 sq mi (revised).

PERIOD OF RECORD.--Water years 1961-62 (occasional low-flow measurements). September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 115.69 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 45.2 cfs (20.46 inches per year).

EXTREMES.--Current year: Maximum discharge 2,220 cfs June 19 (gage height, 4.79 ft); minimum 3.2 cfs Sept. 25, 26, 28, 29 (gage height, 1.20 ft).

Period of record: Maximum discharge 2,220 cfs June 19, 1972 (gage height, 4.79 ft); minimum 0.3 cfs Sept. 24, 1964 (gage height, 0.82 ft).

Flood of October 1955 reached a stage of 13.5 ft from floodmarks.

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE
3-17	1200	3.62	1,030
6-19	1100	4.79	2,220
6-24	0400	3.59	1,000
6-30	1700	2.93	528

REMARKS.--Records excellent. Occasional regulation at low flow by mill upstream. City of Norwalk diverts an indeterminable amount of water from Streets (Popes) Pond, drainage area 2.30 sq mi.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	60	139	58	22	109	84	62	235	258	17	7.2
2	24	94	104	88	22	164	82	67	142	179	16	6.7
3	33	85	79	107	30	340	77	92	116	154	15	7.7
4	30	74	75	97	177	269	77	166	90	152	18	6.6
5	29	56	66	112	91	212	79	122	102	121	16	5.7
6	27	47	81	80	62	156	73	92	88	111	15	5.4
7	26	64	195	70	46	139	71	77	75	96	38	5.1
8	24	59	162	61	48	180	63	73	59	85	62	4.8
9	21	48	130	55	72	149	56	116	55	75	48	4.6
10	198	45	110	96	30	125	50	116	87	65	31	4.5
11	183	44	107	86	29	106	49	97	62	58	20	3.9
12	130	40	93	80	28	131	49	79	50	50	17	3.9
13	94	38	84	73	121	170	84	65	44	164	12	4.6
14	72	35	73	78	189	159	99	63	40	137	13	4.8
15	61	40	80	62	131	139	75	227	37	102	33	4.2
16	53	50	82	52	58	136	73	163	38	72	20	3.7
17	46	40	71	41	78	735	97	122	129	61	18	3.7
18	40	37	66	35	69	528	71	94	102	50	16	3.6
19	38	35	52	38	67	320	65	84	1,350	42	13	7.3
20	35	35	53	40	65	235	122	145	643	38	12	4.5
21	33	34	53	40	63	191	133	142	460	36	11	4.0
22	32	33	50	40	61	264	122	114	722	33	9.7	4.1
23	32	32	40	42	61	305	166	88	653	28	8.8	3.7
24	39	28	48	44	62	223	128	73	802	24	11	3.5
25	59	59	60	47	58	166	104	63	475	22	28	3.4
26	49	47	52	38	61	139	88	54	361	21	14	3.3
27	44	45	51	31	59	122	79	49	289	19	15	3.5
28	36	116	48	28	62	114	71	45	208	18	17	3.3
29	31	119	43	26	79	99	67	38	165	16	12	3.3
30	27	207	61	26	------	94	62	37	316	15	8.9	4.0
31	26	------	95	24	------	92	------	88	------	16	7.9	------
TOTAL	1,617	1,746	2,503	1,795	2,001	6,311	2,516	2,913	7,995	2,318	593.3	138.6
MEAN	52.2	58.2	80.7	57.9	69.0	204	83.9	94.0	267	74.8	19.1	4.62
MAX	198	207	195	112	189	735	166	227	1,350	258	62	7.7
MIN	21	28	40	24	22	92	49	37	37	15	7.9	3.3
CFSM	1.74	1.94	2.69	1.93	2.30	6.80	2.80	3.13	8.90	2.49	.64	.15
IN.	2.01	2.17	3.10	2.23	2.48	7.83	3.12	3.61	9.91	2.87	.74	.17

CAL YR 1971 TOTAL 22,963.3 MEAN 62.9 MAX 1,020 MIN 4.4 CFSM 2.10 IN 28.47
WTR YR 1972 TOTAL 32,446.9 MEAN 88.7 MAX 1,350 MIN 3.3 CFSM 2.96 IN 40.23

As the number of streams on which streamflow is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations and the second is a table of annual maximum stage and discharge at crest-stage stations.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	Discharge (cfs)
		Pawcatuck River basin				
1183.5	Green Fall River at Clarks Falls	Lat 41°27'17", long 71°48'52", at bridge on State Highway 216 at Clarks Falls.	19.8	1961-72	6-13-72	25
1184	Shunock River near No. Stonington	Lat 41°24'36", long 71°50'43", at bridge on State Highway 49, 2.5 miles southeast of No. Stonington.	17.2	1961-72	6-13-72	23
		Mystic River basin				
1187	Whitford Brook at Old Mystic	Lat 41°23'41", long 71°57'40", at bridge on State Highway 184, at Old Mystic.	14.8	1961-72	6-13-72	17
*1187.5	Haleys Brook near Old Mystic	Lat 41°23'20", long 71°59'11", at bridge on Colonel Ledyard Highway, 1.2 miles west of Old Mystic.	4.37	1962-65 1967 1969-72	9-18-72	1.0
		Thames River basin				
*1192.55	Delphi Brook near Staffordville	Lat 42°01'23", long 72°14'53", at bridge on State Highway 19. 2.1 miles northeast of Staffordville.	2.59	1962-72	9-20-72	2.7
*1193	Roaring Brook near Staffordville	Lat 41°59'05", long 72°13'48", at abandoned bridge beside Bradway Road, 1.7 miles east of Staffordville.	5.61	1960-72	9-20-72	5.8
*1193.6	Conat Brook at West Willington	Lat 41°52'17", long 72°17'31", at bridge on Sharps Hill Road, 0.5 mile southeast of W. Willington.	2.40	1963-72	9-14-72	2.0
*1198.2	Skungamaug River at N. Coventry	Lat 41°47'32", long 72°21'20", at bridge on State Highway 31, 1.0 mile southeast of N. Coventry.	24.7	#1962-64 1965-69 #1971-72	9-14-72	7.8
*1200	Hop River near Columbia	Lat 41°43'39", long 72°18'10", 1,500 ft downstream from Hop River village, near Columbia.	74.8	#1933-71 1972	9-22-72	74
1202	Tenmile River near Willimantic	Lat 41°42'25", long 72°14'52", at bridge on Kingsley Road, 2 miles west of Willimantic.	16.3	1962-72	9-18-72	2.6
1206	Still River near Phoenixville	Lat 41°52'08", long 72°05'08", at bridge on U.S. Highway 44, at Phoenixville.	31.8	1962-72	9-15-72	11

# Continuous-record station.

* Also a crest-stage station

DISCHARGE AT PARTIAL-RECORD STATIONS

Discharge measurements made a low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements	
					DATE	Discharge (cfs)
		Thames River basin--Continued				
1207	Bigelow Brook near Phoenixville	Lat 41°52'45", long 72°06'01", at bridge on U.S. Highway 44, 0.8 mile west of Phoenixville.	22.0	1961-72	9-15-72	8.1
1208.5	Natchaug River at North Windham	Lat 41°45'10", long 72°09'19", at bridge on Bedlam Road, at North Windham.	83.9	1962-64 1966-72	9-18-72	30
1209.2	Mt. Hope River at Westford	Lat 41°55'12", long 72°10'47", at bridge on State Highway 89, 0.2 mile west of Westford.	3.16	1962-72	9-20-72	3.9
1209.8	Knowlton Brook at West Ashford	Lat 41°51'08", long 72°11'23", at bridge on US Highway 44A, 0.6 mile southwest of West Ashford.	6.00	1962-64 1967-72	9-15-72	3.0
*1213	Fenton River at East Willington	Lat 41°52'20", long 72°14'31", at bridge on U.S. Highway 44, at East Willington.	11.4	1961-72	9-15-72	4.9
1213.5	Fenton River at Gurleyville	Lat 41°48'52", long 72°13'33", at bridge on Gurleyville Road, 0.2 mile west of Gurleyville.	24.0	1962-64 1966-72	9-15-72	9.6
*1226.8	Merrick Brook near Scotland	Lat 41°43'44", long 72°05'08", by Brook Road, 2.1 miles north of Scotland.	5.21	1964-72	9-22-72	5.3
1228	Beaver Brook at Baltic	Lat 41°37'07", long 72°06'16", at bridge on La Croix Road, 1 mile west of Baltic.	9.55	1962-64 1967-72	9-20-72	12
*1253	English Neighborhood Brook at North Woodstock	Lat 41°59'27", long 71°59'51", at bridge on State Highway 93 at North Woodstock.	4.66	1961-72	9-19-72	6.9
*1256	Mashamoquet Brook at Abington	Lat 41°52'27", long 72°00'35", at bridge on Taft Pond road, 1 mile north of Abington.	11.1	1961-62 #1963 1964-72	9-19-72	37
*1256.5	Wappaquia Brook near Pomfret	Lat 41°51'57", long 71°57'30", at bridge on Day Road, 2 miles south of Pomfret.	4.21	1961-72	6-15-72	8.0
1258	Five Mile River near E. Thompson	Lat 41°59'11", long 71°48'57", at bridge on Spicer Road, 1.5 miles south of East Thompson.	10.7	1961-72	6-14-72	28
*1259	Cady Brook at East Putnam	Lat 41°54'32", long 71°49'11", at bridge on East Putnam Road, 0.3 mile south of East Putnam.	8.29	1961-72	6-15-72	2.0
*1265	Moosup River at Moosup	Lat 41°42'37", long 71°53'11", at Kaman Aircraft Corp. at Moosup.	83.5	#1933-71 1972	9-18-72	49
*1267	Kitt Brook near Canterbury	Lat 41°40'50", long 71°58'42", at bridge on Mudhole (Elmdale) Road, 1.2 miles south of Canterbury.	11.1	1961-72	9-18-72	3.0
1269.23	Denison Brook at Voluntown	Lat 41°34'20", long 71°51'23", at ruins of Old Collins Dam, 0.2 mile upstream from State Highway 165, 1/2 mile east of Voluntown.	4.07	#1962-63 1964 1966-72	9-18-72	3.0
*1271	Broad Brook near Preston City	Lat 41°33'14", long 71°58'15", at bridge on State Highway 164, 1.8 miles north of Preston City.	12.5	1961-65 1967-72	9-20-72	12

* Also a crest-stage station
# Continuous-record station.

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements	
					DATE	Discharge (cfs)
		Thames River basin--Continued				
1272	Bartlett Brook near Colchester	Lat 41°35'17", long 72°15'25", at bridge on Foot Road, 3.5 miles east of Colchester.	13.5	1961-64 1966-72	9-21-72	6.3
*1274	Susquetonscut Brook at Yantic	Lat 41°34'15", long 72°08'01", at bridge on State Highway 87, 1 mile northwest of Yantic.	15.7	1961-72	9-20-72	15
*1277	Trading Cove Brook near Thamesville	Lat 41°30'03", long 72°06'59", at culvert on Conn. Turnpike, 1.5 miles west of Thamesville, and 3 miles southwest of Norwich.	8.57	1961-72	9-20-72	9.2
*1277.6	Hunts Brook at Quaker Hill	Lat 41°24'04", long 72°07'16", at bridge on Old Norwich Road, at Quaker Hill.	11.5	1963-72	6-13-72	20
		Niantic River basin				
1277.9	Latimer Brook at East Lyme	Lat 41°22'00", long 72°12'18", at culvert on U.S. Interstate Highway 95, at East Lyme	a13.8	1962-72	9-18-72	5.1
		Fourmile River basin				
*1278	Fourmile River near East Lyme	Lat 41°21'25", long 72°15'40", at bridge on Stones Ranch Road, 2.5 miles west of East Lyme.	4.30	1961-72	9-18-72	0.87
		Connecticut River basin				
1839.8	Freshwater Brook near Hazardville	Lat 42°00'29", long 72°32'35", at bridge on North Maple Street, 1.5 miles north of Hazardville.	4.34	1963-72	9-26-72	0.78
*1839.9	Jawbuck Brook near Hazardville	Lat 42°00'24", long 72°33'14", at culvert on Shaker Road, 1.5 miles north of Hazardville.	2.16	1963-72	6-12-72	3.9
*1841	Stony Brook near West Suffield	Lat 41°57'38", long 72°42'39", at bridge on South Grand Street, 2.1 miles south of West Suffield.	10.2	1960-72	6-12-72	23
1842.08	Philo Brook near Suffield	Lat 42°00'59", long 72°39'19", at bridge on Halliday Avenue, 2.3 miles north of Suffield.	4.20	1963-65 1967-72	9-27-72	0.91
1842.1	Clay Brook near Suffield	Lat 41°59'54", long 72°39'12", at bridge on Russell Avenue, 1.1 miles north of Suffield.	.75	1963-72	9-27-72	0.01
1842.58	Waterworks Brook near Windsor Locks	Lat 41°54'24", long 72°38'11", at culvert on South Street, 1.6 miles south of Windsor Locks.	.80	1967-72	9-27-72	0.05
*1842.6	Namerick Brook near Warehouse Point	Lat 41°54'13", long 72°36'47", at bridge on U.S. Highway 5, 1.7 miles south of Warehouse Point.	2.60	1963-72	9-26-72	0.27
1842.9	Wachaug Brook near North Somers	Lat 42°01'05", long 72°28'16", at twin culverts on Wachaug Road, 1.1 miles west of North Somers.	8.55	1963-64 1966-72	9-26-72	1.9
*1843	Gillette Brook at Somers	Lat 41°59'30", long 72°26'05", at twin culverts on Battle Street, 0.7 mile northeast of Somers.	3.64	1961-67 #1968-69 1970-72	6-12-72	9.1
1844	Buckhorn Brook near Melrose	Lat 41°57'03", long 72°32'22", at bridge on Abbe Road, 1.2 miles northwest of Melrose.	4.36	1961-72	9-26-72	1.86

a Effective drainage area; does not include 4.7 sq mi above Barnes Reservoir, and Bogue Brook Reservoir
* Also a crest-stage station
# Continuous-record station

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements	
					DATE	Discharge (cfs)
		Connecticut River basin--Continued				
1844.5	Broad Brook at Ellington	Lat 41°54'48", long 72°28'36", at bridge on Jobs Hill Road, 0.6 mile north of Ellington.	5.72	1963-72	9-26-72	3.5
*1845	Scantic River at Broad Brook	Lat 41°54'42", long 72°33'48", upstream from bridge on State Highway 191, at Broad Brook.	98.2	#1929-71 1972	9-26-72	53
1860.2	Still River at Winsted	Lat 41°55'07", long 73°03'30", just upstream from mouth of Mad River and 200 ft upstream from bridge on U.S. highway 44 at Winsted.	9.94	1969-72	9-27-72	3.95
*1881	Roaring Brook at Unionville	Lat 41°45'24", long 72°52'59", at bridge on State Highway 4, at Unionville.	7.60	1961-72	5-30-72	15
1893	East Branch Salmon Brook at North Granby	Lat 42°00'02", long 72°50'03", at bridge on Silver Street, 0.4 mile north of North Granby.	12.4	1961-65 1967 1969-72	9-27-72	6.2
1894	West Branch Salmon Brook at West Granby	Lat 41°56'28", long 72°50'06", at bridge on Simsbury Road, 1 mile south of West Granby.	15.7	1961-65 1967 1969-72	9-26-72	3.0
1900.3	Meadow Brook at Wilson	Lat 41°48'21", long 72°39'47", at footbridge 500 ft upstream from U.S. Interstate Highway 91 at Wilson.	3.15	1963-65 1967-72	9-28-72	0.17
*1900.5	Podunk River at Wapping	Lat 41°49'36", long 72°33'52", at bridge on Ellington Road, 0.5 mile west of Wapping.	4.28	1961-72	9-22-72	3.3
*1901	Piper Brook at Newington Junction	Lat 41°42'43", long 72°44'15", at bridge on Willard Avenue at Newington Junction.	14.6	#1959-71 1972	9-28-72	4.0
*1902	Mill Brook at Newington	Lat 41°42'16", long 72°43'34", at bridge on Dowd Street, 0.5 mile north of Newington.	2.65	#1959-71 1972	9-28-72	1.1
*1919	Charter Brook near Crystal Lake	Lat 41°54'22", long 72°24'15", at bridge on Browns Bridge Road, 2 miles southwest of Crystal Lake.	8.51	1961-72	6-12-72	23
1926.4	Cold Brook near East Glastonbury	Lat 41°39'49", long 72°32'25", at bridge on Mott Hill Road, 2.1 miles south of East Glastonbury.	5.81	1967-72	9-28-72	4.2
1926.7	Goff Brook at South Wethersfield	Lat 41°41'21", long 72°39'32", at bridge on Maple Street, 0.4 mile west of South Wethersfield.	5.13	1963-64 1966-72	9-28-72	0.57
*1928	Parmalee Brook near Durham	Lat 41°27'08", long 72°42'08", at bridge on Sawmill Road, 2 miles southwest of Durham.	2.79	1961-72	9-20-72	1.4
*1931.2	Ponset Brook near Higganum	Lat 41°28'45", long 72°33'28", at bridge on Skinner Road, 1.2 miles upstream from mouth at Higganum.	5.72	1962-72	9-20-72	5.7
1931.3	Candlewood Hill Brook near Higganum	Lat 41°28'26", long 72°35'49", at bridge on Wiese Albert Road, 2.5 miles southwest of Higganum.	3.84	1961-66 1967-72	9-20-72	1.53
1932.1	Raymond Brook near Amston	Lat 41°38'22", long 72°20'35", at bridge on State Highway 207, 1 mile north of Amston.	3.52	1961-64 1967-72	9-21-72	2.1
*1932.5	Judd Brook near Colchester	Lat 41°35'55", long 72°21'12", at bridge on Colchester Road, 2 miles northwest of Colchester.	3.93	1962-72	9-21-72	2.2

* Also a crest-stage station
# Continuous-record station

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements	
					Date	Discharge (cfs)
		Connecticut River basin--Continued				
*1933	Blackledge River near Gilead	Lat 41°41'46", long 72°27'22", at bridge on State Highway 94, 3 miles west of Gilead, and 4 miles east of Buckingham.	6.75	1961-72	9-21-72	15
1936	Flat Brook near East Hampton	Lat 41°33'18", long 72°27'10", at culvert on State Highway 16, 3 miles southeast of East Hampton.	2.31	1961-64 1967-72	9-21-72 9-28-72	1.5 0.89
*1940	Eightmile River at North Plain	Lat 41°26'30", long 72°20'00", at bridge on State Highway 82, at North Plain.	20.1	#1937-66 1967-72	9-11-72	5.7
		Indian River basin				
1951	Indian River near Clinton	Lat 41°18'21", long 72°31'54", at bridge on Hurd Bridge Road, 2 miles north of Clinton.	5.64	1961-64 1966-72	9-11-72	0.20
		Farm River basin				
1954	Farm River at Totoket	Lat 41°19'40", long 72°48'58", at bridge on State Highway 80, at Totoket.	13.4	1961-65 1967-72	9-20-72	6.3
		Mill River basin				
*1966	Willow Brook near Cheshire	Lat 41°27'35", long 72°55'06", at bridge on Mt. Sanford Road, at corner of Harrison Avenue, 2.5 miles south of Cheshire.	9.09	1961-69 1971-72	9-13-72	7.5
		Wepawaug River basin				
*1967	Wepawaug River at Milford	Lat 41°14'10", long 73°03'32", at bridge on Walnut Street, at Milford.	18.4	1962-72	9-22-72	4.1
		Housatonic River basin				
*1985	Blackberry River at Canaan	Lat 42°01'26", long 73°20'32", at briuge on U.S. Highway 44, at Canaan.	48.2	#1949-71 1972	9-22-72	14
*1991.5	Furnace Brook at Cornwall Bridge	Lat 41°49'06", long 73°22'11", at bridge on State Highway 4, 0.2 mile from mouth, at Cornwall Bridge.	13.3	1962-72	8-28-72	19
1993	Macedonia Brook at Kent	Lat 41°43'42", long 73°29'16", at bridge on State Highway 341, 0.5 mile west of Kent.	17.2	1959 1961-64 1966-72	9-22-72	3.0
2011	East Aspetuck River near New Milford	Lat 41°35'33", long 73°25'17", at bridge on Wells Road, 1 mile north of New Milford.	25.1	1959 1961-72	9-25-72	9.2
2014	Miry Brook near Ridgebury	Lat 41°22'03", long 73°29'45", at bridge on private road from Miry Brook Road to Wooster School near west end of Danbury airport, 1.5 miles northeast of Ridgebury.	3.74	1961-72	9-21-72	0.25
*2015.1	Still River at Lanesville	Lat 41°32'12", long 73°25'04", 0.9 mile upstream from mouth, at Lanesville.	69.6	b1931-66 #1967-71 1972	9-18-72	12
*2018.9	Pond Brook near Hawleyville	Lat 41°27'22", long 73°20'07", at bridge on Pond Brook Road, 2 miles northeast of Hawleyville.	11.9	1963-72	9-18-72	0.88
2026	Bantam River near Litchfield	Lat 41°47'30", long 73°11'40", at bridge on Weed Road, 3 miles north of Litchfield.	8.60	1961-62 1964-72	9-28-72	0.72
*2027	Butternut Brook near Litchfield	Lat 41°44'35", long 73°13'14", at bridge on Ripley Road, 1.5 miles west of Litchfield.	2.42	1961-72	2-2-72	1.6

* Also a crest-stage station
# Continuous-record station
b Continuous-record station at site 2015, 2 miles upstream; drainage area 67.5 sq mi.

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements DATE	Measurements Discharge (cfs)
		Housatonic River basin--Continued				
*2030	Shepaug River near Roxbury	Lat 41°32'59", long 73°19'49", at Wellers Bridge, 1.2 miles southwest of Roxbury.	132	‡1931-71 1972	9-18-72	40
*2031	Jacks Brook near Roxbury Falls	Lat 41°31'39", long 73°18'32" at bridge on River Road, 1.2 miles north of Roxbury, Falls.	7.90	1961-72	9-18-72	0.92
*2037	Wood Creek near Bethlehem	Lat 41°37'38", long 73°13'34", at bridge on State Highway 132, 1.2 miles southwest of Bethlehem.	3.39	1961-72	2-2-72	5.5
2037.5	Weekeepeemee River at Hotchkissville	Lat 41°34'35", long 73°13'35", at bridge on Paper Mill Road, 0.8 mile northwest of Hotchkissville.	15.2	1965-72	9-25-72	2.6
2038	Sprain Brook at Hotchkissville	Lat 41°34'10", long 73°13'36", at bridge on State Highway 47, 0.5 mile west of Hotchkissville.	10.7	1965-72	9-25-72	1.6
2039	Bullet Hill Brook at Southbury	Lat 41°28'44", long 73°12'58", at bridge on U.S. Highway 6 & 202, at Southbury.	3.21	1961-72	9-25-72	1.7
2044	Transylvania Brook at South Britain	Lat 41°28'20", long 73°15'29", at bridge on East Flat Hill Road, at mouth, 0.3 mile west of South Britain.	7.51	1965-72	9-25-72	1.1
2055.55	Hall Meadow Brook near Winchester	Lat 41°53'10", long 73°10'12", 150 feet upstream from bridge on Old State Highway 49, 1.2 miles upstream from Hall Meadow Brook Dam, 2 miles southwest of Winchester.	10.6	1965-72	9-27-72	2.1
2069.5	Northfield Brook at Thomaston	Lat 41°40'14", long 73°04'54", at Bridge Street, 0.5 mile west of Thomaston.	6.35	1961-66 1968-72	9-25-72	11
*2081	Hancock Brook near Terryville	Lat 41°39'40", long 73°00'12", at bridge on Waterbury Road, at corner of South Main Street, 1.1 mile south of Terryville.	1.18	1961-72	9-20-72	0.08
*2084	Hop Brook near Middlebury	Lat 41°31'25", long 73°05'38", at bridge on Shaddock Road, 1.5 miles east of Middlebury.	9.43	1961-72	8-10-72	4.17
2086	Bladens River near Seymour	Lat 41°23'58", long 73°03'09", at bridge on Chatfield Street, 1 mile east of Seymour.	9.98	1957 1961-69 1971-72	9-13-72	2.5
*2087	Little River at Oxford	Lat 41°26'03", long 73°07'03", at bridge on Governor Hill Road, at Oxford.	4.54	1961-69 1971-72	9-20-72	0.18
		Pequonnock River basin				
*2088.5	Pequonnock River at Trumbull	Lat 41°14'49", long 73°11'52", on upstream side of bridge on Daniels Farm Road at Trumbull, 4.6 miles north of Bridgeport.	c11.0	1962-64 ‡1965-66 1967-72	9-22-72	3.6
		Ash Creek basin				
2088.7	Rooster River at Bridgeport	Lat 41°10'57", long 73°13'06", at bridge on Brooklawn Avenue, 1 mile west of center of Bridgeport.	9.63	1964-65 1968-72	9-22-72	1.3

* Also a crest-stage station
‡ Continuous-record station
c Effective drainage area; does not include 3.0 sq mi from which entire flow as diverted into Easton Reservoir.

DISCHARGE AT PARTIAL-RECORD STATIONS

Discharge measurements made at low-flow partial-record stations during water year 1972

Station No.	Station name	Location	Drainage area (sq mi.)	Period of Record	Measurements DATE	Measurements Discharge (cfs)
		Mill River basin				
*2089	Patterson Brook near Easton	Lat 41°17'16", long 73°17'33", at culvert on State Highway 59, 2.5 miles north of Easton.	1.21	1960-65 1967-72	9-22-72	0.24
		Saugatuck River basin				
2090.95	Aspetuck River near Easton	Lat 41°15'33", long 73°19'30", at bridge on on Silver Hill Road, 1.5 miles northwest of Easton.	14.0	1964-66 1968-72	9-22-72	3.3
2093	West Branch Saugatuck River at Weston	Lat 41°11'56", long 73°23'25", at bridge on Cedar Road, 0.5 mile west of Weston.	9.12	1961-72	9-27-72	0.40
		Norwalk River basin				
2095.5	Ridgefield Brook near Ridgefield	Lat 41°18'56", long 73°28'48", at bridge on State Highway 35, 2.5 miles northeast of Ridgefield.	3.71	1964-72	9-21-72	0.48
*2096	Comstock Brook at North Wilton	Lat 41°12'45", long 73°27'31", at bridge on Nod Hill Road, at North Wilton.	3.53	1961-65 1967-72	9-27-72	0.20
		Fivemile River basin				
*2097.7	Fivemile River near Norwalk	Lat 41°06'04", long 73°27'18", at bridge on West Cedar Street, 1.8 miles west of Norwalk.	d8.13	1962-65 1967-72	7-27-72	5.5
		Mianus River basin				
2103	East Branch Mianus River near Long Ridge	Lat 41°08'19", long 73°35'40", at bridge on Riverbank Road, 1.2 miles south of Long Ridge.	3.23	1961-66 1968-72	9-27-72	0.54
		Greenwich Creek basin				
2111	Greenwich Creek at Cos Cob	Lat 41°02'35", long 73°36'31", at bridge on Brookridge Drive, 1/2 mile northwest of Cos Cob.	5.82	1964-66 1968-72	9-27-72	1.3
		Byram River basin				
*2117	East Branch Byram River at Round Hill	Lat 41°05'56", long 73°41'00", at bridge on John Street, 0.8 mile west of Round Hill.	1.69	1961-72	9-27-72	0.08
*2121	East Branch Byram River at Riversville	Lat 41°03'39", long 73°40'31", at bridge on Riversville Road just downstream from Merritt Parkway, and 0.2 mile upstream from mouth.	e 7.4	1961-62 ‡1963-69 1970-72	9-27-72	0.32

* Also a crest-stage station
‡ Continuous-record station.
d Effective drainage area only; does not include 0.83 sq mi above New Canaan Reservoir.
e Effective drainage area only; does not include 3.7 sq mi from which entire flow was diverted into Putnam Lake.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage indicator is a device which will register the peak stage occuring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined. Each station in this table is also a low-flow partial-record station.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of Record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mystic River basin					
1187.5	Haleys Brook near Old Mystic	Lat 41°23'20", long 71°59'11", at bridge on Colonel Ledyard Highway, 1.2 miles west of Old Mystic.	4.37	1962-72	6-19-72	4.04	250
		Thames River basin					
1192.55	Delphi Brook near Staffordville	Lat 42°01'23", long 72°14'53", at bridge on State Highway 19, 2.1 miles northeast of Staffordville.	2.59	1964-72	3-3-72	1.69	92
1193	Roaring Brook near Staffo.dville	Lat 41°59'05", long 72°13'48", at abandoned bridge beside Bradway Road, 1.7 miles east of Staffordville.	5.61	1961-72	3-3-72	3.48	300
1193.6	Conat Brook at West Willington	Lat 41°52'17", long 72°17'31", at bridge on Sharps Hill Road, 0.5 mile southeast of West Willington.	2.40	1964-72	3-3-72	3.78	85
1198.2	Skungamaug River at North Coventry	Lat 41°47'32", long 72°21'20", at bridge on State Highway 31, 1.0 mile southeast of North Coventry.	24.7	1962-72	3-3-72	3.38	1,100
1200	Hop River near Columbia	Lat 41°43'39", long 72°18'10", 1,500 feet downstream from Hop River village near Columbia.	74.8	#1933-71 1972-	3-3-72	11.86	3,090
1213	Fenton River at East Willington	Lat 41°52'20", long 72°14'31", at bridge on U.S. Highway 44, at East Willington.	11.4	1964-72	3-3-72	4.64	540
1226.8	Merrick Brook near Scotland	Lat 41°43'44", long 72°05'08", by Brook Road, 2.1 miles north of Scotland.	5.21	1964-72	3-3-72	3.68	380
1253	English Neighborhood Brook at North Woodstock	Lat 41°59'27", long 71°59'51", at bridge on State Highway 93, at North Woodstock.	4.66	1962-72	3-3-72	4.78	400
1254.9	Little River at Harrisville	Lat 41°55'59", long 71°55'50", at bridge on Tripp Road, half a mile east of Harrisville.	35.8	#1962-71 1972	3-3-72	6.94	1,250
1256	Mashamoquet Brook at Abington	Lat 41°52'27", long 72°00'35", at bridge on Taft Pond Road, 1 mile north of Abington.	11.1	1963-72	3-3-72	4.43	590
1256.5	Wappaquia Brook near Pomfret	Lat 41°51'57", long 71°57'30", at bridge on Day Road, 2 miles north of Pomfret.	4.21	1964-72	3-3-72	4.82	700
1259	Cady Brook at East Putnam	Lat 41°54'32", long 71°49'11", at bridge on E. Putnam Road, 0.3 mile south of East Putnam.	8.29	1964-72	3-3-72	3.64	450
1260	Five Mile River at Killingly	Lat 41°50'14", long 71°53'09", at Pennsylvania Central railroad bridge 0.6 mile south of Killingly.	57.8	#1938-71 1972	3-3-72	5.77	1,190
1265	Moosup River at Moosup	Lat 41°42'37", long 73°53'11", at Kaman Aircraft Corp at Moosup.	83.5	#1933-71 1972	3.3.72	6.50	2,510

#Continuous-record station

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of Record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Thames River basin--Continued					
1267	Kitt Brook near Canterbury	Lat 41°40'50", long 71°58'42", at bridge on Mudhole (Elmdale) Road, 1.2 miles south of Canterbury.	11.1	1964-72	3-3-72	2.78	220
1271	Broad Brook near Preston City	Lat 41°33'14", long 71°58'15", at bridge on State Highway 164, 1.8 miles north of Preston City.	12.5	1961-72	6-19-72	3.82	370
1274	Susquetonscut Brook at Yantic	Lat 41°34'15", long 72°08'01", at bridge on State Highway 87, 1 mile northeast of Yantic.	15.7	1962-72	3-3-72	5.09	670
1277	Trading Cove Brook near Thamesville	Lat 41°30'03", long 72°06'59", at culvert on Conn. Turnpike, 1.5 miles west of Thamesville and 3 miles southwest of Norwich.	8.57	1961-72	6-19-72	4.40	520
1277.6	Hunts Brook at Quaker Hill	Lat 41°24'04", long 72°07'16", at bridge on Old Norwich Road, at Quaker Hill.	11.5	1964-72	6-19-72	5.71	920
		Fourmile River basin					
1278	Fourmile River near East Lyme	Lat 41°21'25", long 72°15'40", at bridge on Stones Ranch Road, 2.5 miles west of East Lyme.	4.30	1968-72	6-19-72	3.72	195
		Connecticut River basin					
1839.9	Jawbuck Brook near Hazardville	Lat 42°00'24", long 72°33'14", at culvert on Shaker Road, 1.5 miles north of Hazardville.	2.16	1960-72	3-3-72	3.41	74
1841	Stony Brook near West Suffield	Lat 41°57'30", long 72°42'39", at bridge on South Grand Street, 2.1 miles south of West Suffield.	10.2	1960-72	3-3-72	3.28	290
1842.6	Namerick Brook near Warehouse Point	Lat 41°54'13", long 72°36'47", at bridge on U.S. Highway 5, 1.7 miles south of Warehouse Point.	2.60	1964-72	6-1-72	5.13	420
1843	Gillette Brook at Somers	Lat 41°59'30", long 72°26'05", at twin culverts on Battle Street, 0.7 mile northeast of Somers.	3.64	1960-67 #1968-69 1970-72	3-3-72	4.64	190
1845	Scantic River at Broad Brook	Lat 41°54'43", long 71°33'48", upstream from bridge on State Highway 191, at Broad Brook	98.2	#1929-71 1972	3-3-72	10.10	1,050
1881	Roaring Brook at Unionville	Lat 41°45'24", long 72°52'59", at bridge on State Highway 4, at Unionville.	7.60	1962-68 1971-72	6-30-72	2.35	350
1892	Stratton Brook near Simsbury	Lat 41°52'12", long 72°49'29", at bridge on Farms Village Road, 400 feet upstream from mouth, and 1 mile west of Simsbury.	5.19	1964-66 #1967-71 1972	6-30-72	2.27	310
1900.5	Podunk River at Wapping	Lat 41°49'36", long 72°33'52", at bridge on Ellington Road, 0.5 mile west of Wapping.	4.20	1962-72	4-3-72	4.47	100
1901	Piper Brook at Newington Junction	Lat 41°42'43", long 72°44'15", at bridge on Willard Avenue at Newington Junction.	14.6	#1959-71 1972	6-30-72	6.73	890
1902	Mill Brook at Newington	Lat 41°42'16", long 72°43'34", at bridge on Dowd Street, 0.5 mile north of Newington.	2.65	#1959-71 1972	3-3-72	4.73	185

#Continuous-record station

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq ft)	Period of Record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Dis charge (cfs)
1919	Charter Brook near Chrystal Lake	Lat 41°54'22", long 72°24'15", at bridge on Browns Bridge Road, 2 miles southwest of Crystal Lake.	8.51	1965-72	3-3-72	3.78	400
1925	Hockanum River near East Hartford	Lat 41°45'36", long 72°35'16", 0.2 mile upstream from bridge on Walnut Street near East Hartford.	73.4	#1920-71	3-3-72	6.00	1,150
1926.5	Roaring Brook at Hopewell	Lat 41°39'50", long 72°34'55", at bridge on Matson Hill Road at Hopewell.	24.3	#1961-71 1972	3-3-72	4.02	618
1927	Mattabesset River at East Berlin	Lat 41°37'08", long 72°42'40", at bridge on Berlin Street, at East Berlin.	46.5	#1962-71 1972	3-3-72	4.45	1,170
1928	Parmalee Brook near Durham	Lat 41°27'08", long 72°42'08", at bridge on Saw Mill Road, 2 miles southwest of Durham.	2.79	1960-72	6-19-72	4.24	750
1931.2	Ponset Brook near Higganum	Lat 41°28'45", long 72°33'28", at bridge on Skinner Road, 1.2 miles upstream from mouth, at Higganum.	5.72	1962-72	6-19-72	4.23	530
1932.5	Judd Brook near Colchester	Lat 41°35'55", long 72°21'12", at bridge on Colchester Road, 2 miles northwest of Colchester.	3.93	1962-72	6-19-72	3.45	170
1933	Blackledge River near Gilead	Lat 41°41'46", long 72°27'22", at box culverts on State Highway 94, 3 miles west of Gilead, and 4 miles east of Buckingham.	6.75	1961-72	3-3-72	3.98	200
1940	Eightmile River at North Plain	Lat 41°26'30", long 72°20'00", at bridge on State Highway 82, at North Plain.	20.1	#1937-66 1967-72	6-19-72	7.01	1,620
		Mill River basin					
1966	Willow Brook near Cheshire	Lat 41°27'35", long 72°55'06", at bridge on Mt. Sanford Road, at corner of Harrison Avenue, 2.5 miles south of Cheshire.	9.09	1960-72	6-30-72	4.49	225
		Wepawaug River basin					
1967	Wepawaug River at Milford	Lat 41°14'10", long 72°03'32", by bridge on Walnut Street, at Milford.	18.4	1962-72	6-19-72	6.56	1,300
		Housatonic River basin					
1985	Blackberry River at Canaan	Lat 42°01'26", long 73°20'32", at bridge on U.S. Highway 44, at Canaan.	45.9	#1950-71 1972	7-3-72	7.64	1,300
1991.5	Furnace Brook at Cornwall Bridge	Lat 41°49'06", long 73°22'11", at bridge on State Highway 4, 0.2 mile from mouth.	13.3	1962-72	3-3-72	3.31	320
2015.1	Still River at Lanesville	Lat 41°32'12", long 73°25'04", 0.9 mile upstream from mouth, at Lanesville.	69.6	a1931-66 #1967-71 1972	3-18-72	4.96	1,270
2018.9	Pond Brook near Hawleyville	Lat 41°27'22", long 73°20'07", at bridge on Pond Brook Road, 2 miles northeast of Hawleyville.	11.9	1963-72	6-19-72	3.61	350
2027	Butternut Brook near Litchfield	Lat 41°44'35", long 73°13'14", at bridge on Ripley Road, 1.5 miles west of Litchfield.	2.42	1961-72	3-22-72	3.70	100

a Continuous-record station at former station No. 2015, 2 miles upstream.
Continuous-record station

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq ft)	Period of Record	Annual maximum		
					Date	Gage Height (feet)	Discharge (cfs)
		Housatonic River basin--Continued					
2030	Shepaug River near Roxbury	Lat 41°32'59", long 73°19'49", at Wallers Bridge, 1.2 miles southwest of Roxbury.	132	#1930-71 1972	3-22-72	5.98	2,330
2031	Jacks Brook near Roxbury Falls	Lat 41°31'39", long 73°18'32", at bridge on River Road, 1.2 miles north of Roxbury Falls.	7.90	1961-72	3-3-72	3.45	380
2037	Wood Creek near Bethlehem	Lat 41°37'38", long 73°13'34", at bridge on State Highway 132, 1.2 miles southwest of Bethlehem.	3.39	1962-72	3-3-72	2.65	140
2081	Hancock Brook near Terryville	Lat 41°39'40", long 73°00'12", at bridge on Waterbury Road, at corner of South Main Street, 1.1 miles south of Terryville.	1.18	1960-72	3-3-72	3.25	125
2084	Hop Brook near Middlebury	Lat 41°31'25", long 73°05'38", at bridge on Shadduck Road, 1.5 miles east of Middlebury.	9.43	1962-72	3-3-72	3.92	390
2087	Little River at Oxford	Lat 41°26'03", long 73°07'03", at bridge on Governor Hill Road, at Oxford.	4.54	1960-72	3-3-72	3.97	210
2088.5	Pequonnock River at Trumbull	Lat 41°14'49", long 73°11'52", at bridge on Daniels Farm Road, at Trumbull.	b11.0	1962-64 #1965-66 1967-72	6-19-72	5.13	980
		Mill River basin					
2089	Patterson Brook near Ea.ton	Lat 41°17'16", long 73°17'33", at culvert on State Highway 59, 2.5 miles north of Easton.	1.21	1960-72	6-19-72	5.1	63
		Norwalk River basin					
2096	Comstock Brook at North Wilton	Lat 41°12'43", long 73°27'31", at bridge on Mod Hill Road, at North Wilton.	3.53	1960-72	6-19-72	3.13	130
		Fivemile River basin					
2097.7	Fivemile River near Norwalk	Lat 41°08'02", long 73°27'18", at bridge on West Cedar Street, 1.8 miles west of Norwalk.	8.96	1962-72	6-19-72	6.09	1,600
		Byram River basin					
2117	East Branch Byram River at Round Hill	Lat 41°05'56", long 73°41'08", at bridge on John Street, 0.8 mile west of Round Hill.	1.69	1960-72	6-19-72	4.19	245
2121	East Branch Byram River at Riversville	Lat 41°03'38", long 73°40'31", at bridge on Riversville Road just downstream from Merritt Parkway, 0.2 mile upstream from mouth.	c7.4	#1963-69 1970-72	6-19-72	7.62	1,700

b Effective drainage area; does not include 3.8 sq mi from which entire flow was diverted into Eastern Reservoir.
c Effective drainage area; does not include 3.7 sq mi from which entire flow was diverted into Putnam Lake.
Continuous-record station.

PART 2. WATER-QUALITY RECORDS

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.

LOCATION.--Lat 41°42'01", long 72°10'57", Windham County, at gaging station on right bank at downstream side of Bingham Bridge on Plains Road, 500 ft upstream from Pennsylvania Central Company railroad bridge, 500 ft downstream from Potash Brook, 1.3 miles downstream from confluence of Willimantic and Natchaug Rivers, 1.5 miles southeast of Willimantic, and 17 miles upstream from mouth.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
11...	1245	2	884	7.0	--	--	7.0	1.7	8.3	2.9	16
11...	1245	3	884	--	--	--	--	--	--	--	--
NOV.											
08...	1430	2	655	--	--	--	--	--	--	--	16
08...	1430	3	655	--	--	--	--	--	--	--	--
DEC.											
06...	1425	2	600	--	--	--	--	--	--	--	15
06...	1425	3	600	--	--	--	--	--	--	--	--
JAN.											
10...	1400	2	1440	--	--	--	--	--	--	--	11
10...	1400	3	1440	--	--	--	--	--	--	--	--
FEB.											
07...	1405	2	878	--	--	--	--	--	--	--	12
07...	1405	3	878	--	--	--	--	--	--	--	--
MAR.											
06...	1335	2	3110	--	--	--	--	--	--	--	6
06...	1335	3	3110	--	--	--	--	--	--	--	--
APR.											
10...	1405	2	6200	--	--	--	--	--	--	--	11
10...	1405	3	6200	--	--	--	--	--	--	--	--
MAY											
08...	1350	2	1860	--	--	--	--	--	--	--	10
08...	1350	3	1860	--	--	--	--	--	--	--	--
JUNE											
05...	1420	2	1590	--	--	--	--	--	--	--	12
05...	1420	3	1590	--	--	--	--	--	--	--	--
JULY											
10...	1500	2	1020	8.2	310	10	5.1	1.7	5.4	.9	13
10...	1500	3	1020	--	--	--	--	--	--	--	--
AUG.											
14...	1450	2	205	8.2	450	30	7.1	1.8	11	1.7	21
14...	1450	3	205	--	--	--	--	--	--	--	--
SEP.											
11...	1425	2	158	8.1	320	50	9.2	2.0	12	2.2	20
11...	1425	3	158	--	--	--	--	--	--	--	--

THAMES RIVER BASIN

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.--Continued

DRAINAGE AREA.--402 sq mi.

PERIOD OF RECORD.--Chemical analysis: October 1956 to September 1957, June 1968 to September 1972.
Water temperatures: October 1956 to September 1957.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_ SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
11...	0	15	12	.1	.16	.49	--	--	--	--	.60
11...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
08...	0	16	15	--	.11	.36	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
06...	0	15	13	--	.13	.40	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
10...	0	13	13	--	.047	.14	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
07...	0	13	14	--	.080	.25	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	0	10	8.3	--	.020	.06	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
10...	0	13	11	--	.057	.17	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
08...	0	12	9.1	--	.30	.92	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
05...	0	12	8.1	--	.057	.17	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	0	10	8.0	.1	.10	.31	.10	.13	.010	.03	.40
10...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
14...	0	18	13	.2	.31	.95	.52	.67	.060	.20	.60
14...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	0	19	14	.1	.36	1.1	.40	.52	.167	.55	.80
11...	--	--	--	--	--	--	--	--	--	--	--

THAMES RIVER BASIN

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS_ SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
OCT.											
11...	2.6	--	--	65	155	.09	24	11	13	108	6.7
11...	--	--	--	--	--	--	--	--	--	95	6.0
NOV.											
08...	--	--	--	--	--	--	26	13	13	--	--
08...	--	--	--	--	--	--	--	--	--	108	7.6
DEC.											
06...	--	--	--	--	--	--	23	11	12	--	--
06...	--	--	--	--	--	--	--	--	--	125	7.3
JAN.											
10...	--	--	--	--	--	--	22	13	9	--	--
10...	--	--	--	--	--	--	--	--	--	115	7.6
FEB.											
07...	--	--	--	--	--	--	21	11	10	--	--
07...	--	--	--	--	--	--	--	--	--	110	7.3
MAR.											
06...	--	--	--	--	--	--	15	10	5	--	--
06...	--	--	--	--	--	--	--	--	--	74	7.2
APR.											
10...	--	--	--	--	--	--	21	12	9	--	7.2
10...	--	--	--	--	--	--	--	--	--	100	7.2
MAY											
08...	--	--	--	--	--	--	18	10	8	--	--
08...	--	--	--	--	--	--	--	--	--	78	7.9
JUNE											
05...	--	--	--	--	--	--	18	8	10	--	--
05...	--	--	--	--	--	--	--	--	--	76	7.1
JULY											
10...	1.7	.53	1.0	49	135	.07	20	9	11	73	6.6
10...	--	--	--	--	--	--	--	--	--	77	7.3
AUG.											
14...	2.6	1.1	2.2	77	42.6	.10	25	8	17	125	6.7
14...	--	--	--	--	--	--	--	--	--	135	6.8
SEP.											
11...	3.5	1.2	2.5	82	35.0	.11	31	15	16	133	7.1
11...	--	--	--	--	--	--	--	--	--	134	6.7

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR- BID- ITY (JTU)	TEMP- ERATURE (DEG C)	AIR TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	PHENOLS (UG/L)
OCT.											
11...	1	14.0	17.5	--	--	--	--	--	39	.7	--
11...	--	14.0	17.5	9.4	90	170000	10000	17000	--	--	--
NOV.											
08...	2	7.0	3.0	--	--	--	--	--	--	--	--
08...	--	7.0	3.0	10.8	90	50000	13000	15000	--	--	--
DEC.											
06...	1	2.0	3.5	--	--	--	--	--	--	--	--
06...	--	2.0	3.5	9.3	67	140000	8000	7200	--	--	--
JAN.											
10...	1	2.0	13.0	--	--	--	--	--	--	--	--
10...	--	2.0	13.0	7.6	55	11000	7000	4900	--	--	--
FEB.											
07...	1	2.0	-2.0	--	--	--	--	--	--	--	--
07...	--	2.0	-2.0	10.0	72	84000	5600	2600	--	--	--
MAR.											
06...	1	1.5	-3.0	--	--	--	--	--	--	--	--
06...	--	1.5	-3.0	12.0	86	22000	2000	1600	--	--	--
APR.											
10...	2	5.5	8.5	--	--	--	--	--	--	--	--
10...	--	5.5	8.5	11.4	90	120000	6600	6200	--	--	--
MAY											
08...	1	15.0	13.5	--	--	--	--	--	--	--	--
08...	--	15.0	13.5	9.5	93	1400	66	55	--	--	--
JUNE											
05...	1	19.0	22.0	--	--	--	--	--	--	--	--
05...	--	19.0	22.0	8.5	91	3300	500	660	--	--	--
JULY											
10...	1	20.5	28.5	--	--	--	--	--	36	.5	10
10...	--	20.5	28.5	7.3	80	1100	320	2100	--	--	--
AUG.											
14...	1	23.0	27.0	--	--	--	--	--	47	1.0	--
14...	--	23.0	27.0	8.7	86	3600	600	320	--	--	--
SEP.											
11...	1	19.5	27.0	--	--	--	--	--	43	.9	--
11...	--	19.5	27.0	8.7	93	1000	160	52	--	--	--

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.

(Formerly published as 01124000 Quinebaug River at Quinebaug, Conn.)

LOCATION.--Lat 42°01'40", long 71°57'52", Worcester County, on right bank 50 ft upstream from bridge on State Highway 131, 0.2 mile upstream from Massachusetts-Connecticut State line, 0.4 mile upstream from gaging station at Quinebaug, Conn., and 2.0 miles southwest of Dudley, Mass.

DRAINAGE AREA.--156 sq mi at gage at Quinebaug, Conn.

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1972.
Water temperatures: October 1968 to September 1972.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	155	129	142	172	162	166	157	149	152	141	124	132
2	193	148	170	171	148	160	149	138	144	---	---	---
3	191	147	170	158	146	152	149	141	143	---	---	---
4	194	146	170	161	149	154	146	140	144	146	134	139
5	197	143	172	162	150	154	143	139	141	156	126	138
6	198	157	171	163	153	157	150	144	146	150	134	141
7	199	159	182	158	151	155	215	149	195	142	131	135
8	217	162	183	160	151	157	176	149	160	142	131	135
9	197	174	181	174	160	168	148	137	142	160	120	136
10	197	114	168	176	166	170	139	130	134	213	134	154
11	131	101	121	174	165	169	132	120	124	144	126	134
12	135	125	131	180	172	176	120	115	117	132	120	126
13	140	134	138	181	171	174	117	113	114	130	119	123
14	140	133	137	181	173	176	129	115	124	120	112	114
15	169	141	165	185	178	182	136	126	129	116	111	114
16	140	128	135	187	169	177	137	119	130	123	83	112
17	128	115	120	181	174	177	136	120	128	129	100	121
18	124	114	118	184	174	180	126	119	122	132	130	131
19	126	111	116	186	176	181	128	124	126	135	129	131
20	120	113	117	186	177	182	162	128	139	141	118	131
21	118	110	114	179	169	175	167	138	149	192	133	150
22	119	113	116	180	161	171	156	140	145	193	137	150
23	128	115	118	185	172	176	152	141	147	144	133	137
24	122	115	120	182	166	173	149	132	142	138	131	134
25	129	118	124	178	166	172	139	131	135	140	135	136
26	144	126	137	202	165	177	143	135	138	146	118	135
27	163	143	153	175	163	171	138	136	137	126	68	116
28	163	147	155	170	156	168	137	128	133	132	121	125
29	166	157	161	177	163	172	134	130	132	137	124	130
30	168	161	164	159	140	154	136	133	135	140	123	129
31	168	163	166	---	---	---	138	136	137	138	129	134
MONTH	217	101	153	202	140	169	215	113	138	213	68	132

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

(Formerly published as 01124000 Quinebaug River at Quinebaug, Conn.)

EXTREMES.--1971-72:
Specific conductance: Maximum, 380 micromhos Feb. 4; minimum, 56 micromhos Feb. 20
pH: Maximum, 7.6 Oct. 4; minimum, 6.1 Sept. 27.
Dissolved oxygen: Maximum, 19.6 mg/l Feb. 12; minimum, 0.6 mg/l Aug. 26.
Water temperatures: Maximum, 30.5°C Aug. 26; minimum, freezing point on many days during winter period.

Period of record:
Specific conductance: Maximum recorded, 393 micromhos Sept. 24, 1970; minimum, 56 micromhos Feb. 20, 1972.
pH: Maximum, 9.0 July 13, 16, 1971; minimum, 4.9 July 18, 1970.
Dissolved oxygen: Maximum, 19.6 mg/l Feb. 12, 1972; minimum, 0.4 mg/l Aug. 28, 1970.
Water temperatures: Maximum recorded, 32.5°C July 29, 1970; minimum, freezing point on many days during winter periods.

REMARKS.--Figures of daily discharge for gaging station at Quinebaug, Conn., (sta 01124000) are used for this site. Records of hourly water-quality values are available in the New England district office.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	135	127	130	203	157	177	85	78	82	110	107	109
2	145	127	138	213	182	196	82	77	79	114	110	113
3	148	143	147	175	116	120	87	81	84	117	97	113
4	380	137	212	146	114	123	92	81	85	101	97	99
5	215	126	175	123	112	116	95	90	93	100	99	99
6	171	101	147	121	111	117	101	92	95	---	---	---
7	159	139	149	116	100	106	112	97	103	---	---	---
8	167	95	145	108	98	104	110	104	107	---	---	---
9	168	114	139	108	101	105	109	104	106	---	---	---
10	178	115	144	111	103	107	113	106	109	---	---	---
11	157	113	145	110	101	105	143	115	129	---	---	---
12	150	107	142	---	---	---	146	137	141	---	---	---
13	146	137	141	---	---	---	151	103	129	---	---	---
14	---	---	---	---	---	---	108	95	101	---	---	---
15	---	---	---	---	---	---	97	92	94	---	---	---
16	126	117	119	---	---	---	95	90	93	---	---	---
17	117	107	111	---	---	---	102	91	95	---	---	---
18	108	102	104	---	---	---	103	92	96	---	---	---
19	105	101	103	---	---	---	97	91	94	---	---	---
20	107	56	101	---	---	---	100	89	93	---	---	---
21	112	66	105	94	89	90	109	95	100	---	---	---
22	121	109	113	89	79	85	96	89	90	---	---	---
23	122	59	107	88	80	83	90	86	88	---	---	---
24	151	112	121	90	78	82	89	85	87	---	---	---
25	155	126	136	91	86	89	89	84	86	---	---	---
26	144	124	131	89	84	86	95	86	89	---	---	---
27	151	119	128	85	78	82	105	91	96	---	---	---
28	166	127	142	88	81	83	108	101	103	---	---	---
29	192	140	160	84	81	82	109	103	106	---	---	---
30	---	---	---	89	82	85	110	104	107	---	---	---
31	---	---	---	87	82	85	---	---	---	---	---	---
MONTH	380	56	135	---	---	---	151	77	99	---	---	---

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	107	96	101	159	136	147	---	---	---
2	---	---	---	121	102	110	168	143	161	---	---	---
3	---	---	---	140	94	113	376	159	268	---	---	---
4	---	---	---	101	96	99	315	262	292	---	---	---
5	---	---	---	110	110	102	208	127	163	---	---	---
6	---	---	---	102	98	100	---	---	---	---	---	---
7	---	---	---	103	100	102	---	---	---	---	---	---
8	---	---	---	106	98	102	---	---	---	---	---	---
9	---	---	---	104	97	101	---	---	---	---	---	---
10	---	---	---	109	104	107	---	---	---	---	---	---
11	---	---	---	109	105	107	---	---	---	---	---	---
12	---	---	---	109	102	106	---	---	---	---	---	---
13	---	---	---	108	102	106	---	---	---	---	---	---
14	96	86	91	113	100	105	---	---	---	---	---	---
15	98	96	97	116	109	113	---	---	---	---	---	---
16	101	88	93	113	108	110	---	---	---	---	---	---
17	102	98	100	115	110	112	---	---	---	---	---	---
18	110	101	105	139	107	123	---	---	---	---	---	---
19	159	96	114	129	88	108	---	---	---	---	---	---
20	98	95	97	101	77	88	---	---	---	---	---	---
21	99	86	94	116	103	109	---	---	---	---	---	---
22	97	92	96	107	103	105	---	---	---	---	---	---
23	99	91	95	114	106	110	---	---	---	---	---	---
24	99	94	96	126	116	119	---	---	---	---	---	---
25	96	87	93	131	99	122	---	---	---	---	---	---
26	101	91	96	118	99	109	---	---	---	---	---	---
27	97	91	94	126	116	119	---	---	---	166	149	157
28	96	93	95	129	122	127	---	---	---	158	149	152
29	99	95	97	142	113	129	---	---	---	176	151	157
30	98	95	97	139	127	130	---	---	---	187	174	181
31	---	---	---	141	129	134	---	---	---	---	---	---
MONTH	---	---	---	142	77	111	---	---	---	---	---	---

PH (UNITS), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.4	6.6	6.9	6.5	6.7	6.8	6.6	6.7	7.0	6.6	6.8
2	7.1	6.4	6.7	6.7	6.4	6.5	6.9	6.6	6.7	---	---	---
3	7.5	6.6	6.9	6.8	6.5	6.6	6.8	6.7	6.7	---	---	---
4	7.6	6.5	6.8	6.9	6.7	6.8	6.9	6.6	6.8	6.8	6.7	6.7
5	6.9	6.6	6.6	6.9	6.7	6.8	6.9	6.8	6.8	6.7	6.5	6.6
6	6.6	6.3	6.5	7.0	6.7	6.8	6.9	6.7	6.8	6.7	6.6	6.6
7	6.9	6.3	6.6	6.9	6.7	6.8	6.9	6.7	6.8	6.7	6.6	6.7
8	6.5	6.3	6.4	7.0	6.8	6.9	6.9	6.7	6.9	6.7	6.6	6.7
9	6.7	6.3	6.5	7.0	6.8	6.9	6.9	6.7	6.8	6.7	6.5	6.6
10	6.7	6.4	6.5	6.9	6.7	6.8	6.8	6.7	6.8	---	---	---
11	6.9	6.5	6.6	6.9	6.7	6.8	6.8	6.6	6.7	---	---	---
12	6.9	6.4	6.7	6.9	6.6	6.8	6.7	6.6	6.6	6.7	6.4	6.5
13	6.9	6.6	6.7	7.0	6.7	6.8	6.9	6.6	6.7	6.5	6.3	6.4
14	6.9	6.7	6.8	7.0	6.8	6.9	6.8	6.6	6.7	6.5	6.3	6.4
15	6.9	6.7	6.8	7.0	6.8	6.9	6.7	6.6	6.7	6.8	6.4	6.5
16	7.0	6.6	6.8	7.0	6.7	6.9	6.8	6.6	6.7	6.7	6.3	6.5
17	6.9	6.7	6.8	6.8	6.6	6.7	6.9	6.7	6.7	6.5	6.3	6.4
18	6.9	6.6	6.7	6.8	6.5	6.6	6.8	6.7	6.7	6.6	6.4	6.5
19	6.9	6.5	6.6	6.8	6.6	6.7	6.8	6.7	6.8	6.7	6.5	6.6
20	6.6	6.4	6.4	6.9	6.7	6.8	6.9	6.8	6.8	6.6	6.4	6.5
21	6.8	6.5	6.6	6.9	6.7	6.8	6.9	6.8	6.8	6.6	6.3	6.5
22	6.8	6.5	6.6	7.0	6.7	6.8	6.9	6.8	6.9	6.7	6.5	6.5
23	6.9	6.5	6.7	6.9	6.7	6.8	7.0	6.8	6.9	6.7	6.5	6.6
24	6.7	6.5	6.6	6.9	6.7	6.8	7.1	6.7	6.9	6.7	6.6	6.6
25	6.7	6.5	6.6	7.0	6.8	6.9	7.0	6.4	6.8	6.8	6.6	6.7
26	6.8	6.5	6.6	7.0	6.8	7.0	6.7	6.6	6.7	6.9	6.6	6.8
27	6.7	6.4	6.5	7.1	6.8	6.9	6.8	6.7	6.7	6.8	6.6	6.7
28	6.8	6.5	6.6	7.0	6.9	6.9	6.9	6.7	6.8	6.8	6.7	6.7
29	6.8	6.6	6.6	6.9	6.7	6.8	6.9	6.7	6.8	6.9	6.7	6.8
30	6.5	6.4	6.5	6.7	6.5	6.6	7.2	6.8	7.0	6.8	6.7	6.7
31	6.9	6.4	6.7	---	---	---	7.1	7.0	7.0	6.9	6.7	6.8
MONTH	7.6	6.3	6.6	7.1	6.4	6.8	7.2	6.4	6.9	7.0	6.3	6.6

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

PH (UNITS), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.7	6.8	6.9	6.8	6.9	6.8	6.5	6.7	7.2	6.6	6.9
2	7.0	6.8	6.9	7.0	6.8	6.9	6.8	6.5	6.6	6.9	6.6	6.8
3	7.0	6.9	6.9	6.9	6.6	6.7	6.9	6.6	6.7	6.9	6.6	6.8
4	7.0	6.7	6.9	6.7	6.6	6.7	6.8	6.5	6.7	6.9	6.6	6.8
5	6.9	6.8	6.9	6.8	6.6	6.7	6.8	6.5	6.6	6.8	6.7	6.7
6	6.9	6.7	6.8	6.8	6.6	6.7	6.6	6.4	6.5	---	---	---
7	6.9	6.6	6.7	6.7	6.6	6.7	6.7	6.4	6.6	---	---	---
8	6.7	6.5	6.6	6.8	6.7	6.8	6.8	6.6	6.7	---	---	---
9	6.6	6.5	6.5	6.7	6.6	6.7	6.8	6.6	6.7	---	---	---
10	6.6	6.4	6.5	7.1	6.6	6.8	6.9	6.6	6.8	---	---	---
11	6.6	6.4	6.5	7.0	6.9	7.0	6.9	6.7	6.8	---	---	---
12	6.7	6.5	6.6	---	---	---	7.0	6.8	6.9	---	---	---
13	6.7	6.6	6.6	---	---	---	6.9	6.7	6.8	---	---	---
14	---	---	---	---	---	---	6.9	6.6	6.7	---	---	---
15	---	---	---	---	---	---	6.9	6.6	6.8	---	---	---
16	6.7	6.5	6.6	---	---	---	7.0	6.6	6.8	---	---	---
17	6.6	6.5	6.5	---	---	---	7.0	6.6	6.8	---	---	---
18	6.7	6.4	6.6	---	---	---	7.0	6.7	6.9	---	---	---
19	6.7	6.5	6.6	---	---	---	7.0	6.7	6.8	---	---	---
20	6.7	6.5	6.6	---	---	---	6.8	6.6	6.7	---	---	---
21	6.7	6.5	6.6	6.6	6.5	6.6	7.0	6.6	6.8	---	---	---
22	6.8	6.6	6.7	6.7	6.5	6.6	6.9	6.6	6.7	---	---	---
23	6.8	6.3	6.6	6.7	6.5	6.6	6.9	6.6	6.7	---	---	---
24	7.0	6.6	6.8	6.7	6.5	6.6	6.9	6.5	6.7	---	---	---
25	7.0	6.7	6.8	6.7	6.5	6.6	7.0	6.5	6.7	---	---	---
26	6.9	6.8	6.9	6.7	6.5	6.6	7.1	6.5	6.8	---	---	---
27	6.9	6.8	6.9	6.6	6.4	6.6	6.9	6.5	6.7	---	---	---
28	7.1	6.8	6.9	6.7	6.5	6.6	7.0	6.5	6.8	---	---	---
29	7.1	6.8	6.9	6.7	6.5	6.6	7.0	6.6	6.8	---	---	---
30	---	---	---	6.7	6.5	6.6	7.1	6.6	6.8	---	---	---
31	---	---	---	6.7	6.6	6.6	---	---	---	---	---	---
MONTH	7.1	6.3	6.7	---	---	---	7.1	6.4	6.7	---	---	---

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.7	6.6	6.6	6.9	6.6	6.8	---	---	---
2	---	---	---	6.8	6.5	6.7	---	---	---	---	---	---
3	---	---	---	6.7	6.6	6.7	---	---	---	---	---	---
4	---	---	---	6.9	6.6	6.7	---	---	---	---	---	---
5	---	---	---	6.8	6.6	6.7	---	---	---	---	---	---
6	---	---	---	6.8	6.6	6.7	---	---	---	6.7	6.3	6.5
7	---	---	---	6.9	6.5	6.7	---	---	---	6.6	6.4	6.5
8	---	---	---	6.9	6.7	6.8	---	---	---	6.5	6.4	6.4
9	---	---	---	6.9	6.6	6.8	---	---	---	6.6	6.3	6.4
10	---	---	---	---	---	---	---	---	---	6.7	6.4	6.5
11	---	---	---	6.9	6.4	6.6	6.9	6.6	6.7	6.7	6.3	6.5
12	---	---	---	6.6	6.3	6.5	7.1	6.6	6.9	6.4	6.3	6.3
13	---	---	---	6.5	6.3	6.4	7.0	6.5	6.7	6.3	6.2	6.3
14	6.8	6.5	6.7	6.6	6.3	6.5	6.7	6.4	6.5	6.5	6.2	6.3
15	6.8	6.5	6.6	6.6	6.3	6.5	6.6	6.3	6.5	6.6	6.2	6.4
16	6.8	6.5	6.6	6.7	6.3	6.5	6.7	6.3	6.5	6.7	6.4	6.5
17	6.6	6.5	6.5	6.6	6.3	6.5	6.7	6.4	6.6	6.7	6.4	6.5
18	6.7	6.5	6.6	6.6	6.3	6.4	6.8	6.6	6.7	---	---	---
19	6.8	6.5	6.7	6.6	6.3	6.4	6.8	6.5	6.6	---	---	---
20	6.8	6.6	6.7	6.9	6.3	6.4	6.7	6.4	6.6	---	---	---
21	6.7	6.4	6.6	6.7	6.5	6.6	6.7	6.3	6.5	---	---	---
22	6.8	6.6	6.6	7.0	6.6	6.8	6.6	6.2	6.4	---	---	---
23	6.7	6.6	6.6	7.0	6.6	6.8	6.5	6.2	6.4	---	---	---
24	6.8	6.5	6.7	7.1	6.7	6.9	6.7	6.3	6.5	---	---	---
25	6.8	6.6	6.7	7.0	6.7	6.9	6.6	6.4	6.5	---	---	---
26	7.1	6.6	6.7	7.1	6.9	7.0	---	---	---	6.8	6.2	6.4
27	6.8	6.6	6.7	7.1	6.9	7.0	---	---	---	6.3	6.1	6.2
28	6.8	6.5	6.6	7.0	6.6	6.8	---	---	---	6.4	6.2	6.4
29	6.7	6.5	6.6	7.2	6.6	6.9	---	---	---	6.5	6.4	6.4
30	6.8	6.5	6.6	7.3	7.0	7.2	---	---	---	6.5	6.3	6.4
31	---	---	---	7.3	6.9	7.0	---	---	---	---	---	---
MONTH	---	---	---	7.3	6.3	6.7	---	---	---	---	---	---
YEAR	7.6	6.1	6.7									

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	4.9	6.1	9.0	6.8	7.6	---	---	---	12.1	11.2	11.6
2	8.8	4.2	5.9	7.5	6.8	7.1	---	---	---	---	11.5	---
3	9.2	4.3	6.6	7.6	7.2	7.5	---	---	---	---	---	---
4	10.1	4.6	6.3	8.2	7.9	8.0	---	---	---	13.3	---	10.8
5	7.9	4.9	6.1	9.9	8.3	8.6	---	---	---	11.3	10.2	10.8
6	7.7	6.6	6.9	9.6	8.5	9.0	---	---	---	11.8	9.8	10.9
7	9.2	6.5	7.1	9.8	9.2	9.6	---	---	---	12.7	11.6	12.2
8	9.6	6.3	7.3	10.8	9.9	10.5	---	---	---	13.0	12.5	12.8
9	8.9	6.3	7.3	11.6	11.1	11.2	---	---	---	15.7	12.0	13.3
10	9.2	6.8	7.5	11.6	11.2	11.3	---	---	---	13.1	10.8	12.0
11	9.0	8.7	8.9	11.6	11.1	11.3	---	---	---	12.8	12.0	12.3
12	9.2	8.6	8.9	11.6	11.0	11.3	---	---	---	---	---	---
13	9.5	8.9	9.1	11.4	10.9	11.1	---	---	---	---	---	---
14	9.6	8.5	9.0	11.9	11.1	11.4	---	---	---	---	---	---
15	9.0	7.9	8.6	12.1	11.4	11.6	---	---	---	---	---	---
16	9.0	8.1	8.5	11.6	10.7	11.2	---	---	---	---	---	---
17	9.3	8.0	8.7	11.9	9.8	10.3	12.3	12.0	12.1	---	---	---
18	9.8	8.6	9.2	11.2	9.3	9.8	12.2	12.0	12.1	---	---	---
19	9.9	8.6	9.3	10.6	9.0	9.3	12.2	12.0	12.1	---	---	---
20	9.6	8.4	9.0	9.1	8.8	8.9	12.3	12.2	12.2	---	---	---
21	9.3	8.6	8.9	---	---	---	12.4	12.2	12.3	---	---	---
22	9.2	8.2	8.6	---	---	---	12.3	12.1	12.2	---	---	---
23	9.1	7.6	8.3	---	---	---	12.2	12.0	12.1	---	---	---
24	8.6	7.8	8.0	---	---	---	12.3	12.0	12.1	---	---	---
25	8.8	7.9	8.3	---	---	---	12.3	11.8	11.9	---	---	---
26	8.6	7.0	7.7	---	---	---	11.9	11.5	11.8	---	---	---
27	8.6	6.9	7.6	---	---	---	11.5	11.4	11.4	---	---	---
28	8.6	6.6	7.1	---	---	---	12.5	11.2	11.6	---	---	---
29	8.6	6.6	7.7	---	---	---	12.0	11.4	11.7	---	---	---
30	8.8	6.5	7.6	---	---	---	11.7	11.5	11.6	---	---	---
31	9.0	6.8	7.7	---	---	---	11.9	11.3	11.4	---	---	---
MONTH	10.1	4.2	7.8	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	13.2	12.3	12.6	12.6	11.8	12.2	10.3	8.7	9.5
2	13.6	13.1	13.3	13.0	12.3	12.7	12.4	12.0	12.2	9.6	8.8	9.1
3	13.5	12.6	13.1	13.6	12.2	13.1	12.6	12.0	12.3	10.0	9.2	9.5
4	13.1	12.6	12.9	13.7	13.4	13.5	12.5	12.0	12.3	10.0	9.5	9.8
5	19.1	13.3	16.0	13.5	12.6	13.1	13.1	11.9	12.5	10.3	9.8	10.0
6	17.6	13.2	14.5	13.6	13.2	13.4	12.4	11.7	12.1	---	---	---
7	13.8	13.1	13.4	13.5	12.9	13.3	12.4	11.6	12.1	---	---	---
8	17.6	13.5	14.8	13.6	12.9	13.1	12.7	11.8	12.3	---	---	---
9	17.2	14.0	15.1	13.7	13.4	13.6	12.5	11.3	12.0	---	---	---
10	19.0	14.0	14.9	14.6	12.5	13.3	12.4	11.4	11.9	---	---	---
11	19.3	13.9	14.9	12.9	12.3	12.6	12.5	11.5	12.0	---	---	---
12	19.6	13.9	14.7	---	---	---	12.5	11.3	12.0	---	---	---
13	16.6	13.7	14.1	---	---	---	12.1	11.3	11.9	---	---	---
14	---	---	---	---	---	---	12.3	11.7	12.0	---	---	---
15	---	---	---	---	---	---	12.2	11.8	12.0	---	---	---
16	13.6	13.1	13.3	---	---	---	12.1	11.0	11.6	---	---	---
17	13.8	13.3	13.5	---	---	---	11.7	10.7	11.2	---	---	---
18	13.8	13.3	13.5	---	---	---	11.6	10.4	11.0	---	---	---
19	13.7	13.1	13.3	---	---	---	11.0	9.7	10.4	---	---	---
20	15.6	13.1	13.5	---	---	---	11.1	9.7	10.5	---	---	---
21	17.0	13.5	14.8	13.2	12.9	13.0	11.5	10.6	11.1	---	---	---
22	13.9	13.3	13.7	13.0	12.3	12.7	11.3	10.9	11.0	---	---	---
23	19.1	13.7	14.8	12.7	12.6	12.6	11.6	10.7	11.0	---	---	---
24	13.6	12.9	13.3	12.9	12.6	12.7	11.1	10.5	10.8	---	---	---
25	13.6	12.9	13.2	13.1	12.7	12.9	11.2	10.1	10.6	---	---	---
26	13.1	12.8	12.9	13.2	12.7	13.0	11.1	10.0	10.5	---	---	---
27	13.5	12.3	13.1	13.1	12.8	13.0	11.0	10.3	10.6	---	---	---
28	13.2	12.6	12.9	13.2	12.5	12.9	11.2	10.0	10.6	---	---	---
29	13.0	12.3	12.5	12.9	12.6	12.7	10.7	9.6	10.2	---	---	---
30	---	---	---	12.8	12.6	12.7	10.7	9.3	10.0	---	---	---
31	---	---	---	12.7	12.3	12.6	---	---	---	---	---	---
MONTH	19.6	12.3	13.7	---	---	---	13.1	9.3	11.4	---	---	---

01123990 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.0	6.2	7.7	7.1	3.4	5.7	8.3	1.6	4.3
2	---	---	---	8.2	6.9	7.7	4.3	3.0	3.7	7.3	1.1	3.3
3	---	---	---	7.8	6.8	7.3	---	---	---	6.7	1.7	4.1
4	---	---	---	8.0	7.1	7.6	---	---	---	7.8	6.2	7.0
5	---	---	---	8.1	7.5	7.9	---	---	---	8.2	6.1	7.1
6	---	---	---	8.5	7.7	8.1	---	---	---	7.5	5.3	6.3
7	---	---	---	8.6	7.2	7.9	---	---	---	7.0	4.3	5.8
8	---	---	---	8.2	7.3	7.8	---	---	---	6.6	3.1	4.8
9	---	---	---	8.5	7.5	8.0	---	---	---	6.8	3.2	4.6
10	---	---	---	7.9	6.8	7.5	---	---	---	8.7	4.6	6.1
11	---	---	---	7.9	7.0	7.5	7.2	4.8	6.1	8.7	3.7	6.1
12	---	---	---	---	---	---	8.3	4.9	6.4	7.1	2.7	4.9
13	---	---	---	---	---	---	8.9	4.8	6.7	5.5	2.5	3.6
14	8.6	7.7	8.0	---	---	---	8.5	4.0	6.1	6.1	2.4	3.8
15	8.2	7.1	7.9	---	---	---	6.9	3.0	4.7	6.1	2.7	4.2
16	8.0	7.0	7.4	---	---	---	5.6	2.8	4.1	6.8	2.8	4.3
17	7.5	6.8	7.2	---	---	---	6.0	2.6	4.2	6.7	2.7	4.3
18	6.8	5.8	6.4	---	---	---	7.3	4.6	5.6	6.6	2.4	3.9
19	9.3	1.3	6.3	---	---	---	7.8	4.1	5.4	---	---	---
20	8.5	7.5	8.1	---	---	---	7.8	4.1	5.7	7.4	6.9	7.1
21	7.9	7.4	7.7	---	---	---	8.1	3.7	5.7	7.6	6.8	7.1
22	7.7	7.4	7.6	---	---	---	5.6	3.1	4.4	7.5	6.4	6.9
23	8.2	7.8	8.0	---	---	---	---	---	---	8.0	6.7	7.2
24	8.4	7.8	8.1	---	---	---	---	---	---	8.4	7.0	7.5
25	8.7	8.2	8.4	7.2	6.4	6.9	6.6	0.9	4.0	8.5	5.7	7.2
26	8.8	8.0	8.5	7.9	6.4	7.2	7.0	0.6	2.9	7.4	4.5	5.9
27	9.3	7.6	8.7	7.5	6.0	6.7	5.8	1.0	2.8	6.3	4.2	5.1
28	8.4	7.5	8.0	7.5	5.1	6.3	6.5	1.3	3.5	6.9	3.6	5.1
29	7.9	6.5	7.2	7.8	5.7	6.6	5.7	1.1	3.0	5.2	2.0	3.7
30	7.3	6.7	7.0	8.3	5.6	6.8	6.5	0.8	2.9	4.8	1.8	3.3
31	---	---	---	8.3	5.5	6.6	6.1	0.9	3.2	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	8.7	1.1	5.3

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	16.5	19.0	17.5	14.5	16.0	2.0	0.0	1.5	---	---	---
2	23.5	16.5	19.5	18.0	16.0	17.5	1.0	0.0	0.5	---	---	---
3	20.0	16.0	18.5	17.5	15.0	16.5	1.5	0.5	1.0	---	---	---
4	20.0	14.5	17.0	14.5	11.5	13.5	1.5	1.0	1.0	---	---	---
5	20.0	16.5	18.0	12.0	9.5	11.0	1.0	0.5	0.5	2.0	1.0	1.5
6	20.0	17.5	19.0	11.5	9.0	10.0	1.5	0.5	1.0	1.0	1.0	1.0
7	19.0	15.0	17.0	10.0	7.5	9.0	2.5	1.5	2.0	1.5	1.0	1.0
8	17.5	13.0	15.0	7.5	5.5	6.5	2.5	2.0	2.0	1.0	1.0	1.0
9	16.0	13.0	14.0	6.5	4.5	5.5	2.5	2.0	2.5	1.5	0.5	1.0
10	15.0	13.5	14.5	6.0	4.5	5.5	3.5	2.5	3.0	2.0	1.5	1.5
11	15.0	14.0	14.5	6.5	5.0	5.5	4.5	3.0	3.5	2.5	1.5	2.0
12	15.0	13.5	14.5	6.0	5.0	5.5	3.0	2.0	2.5	3.0	1.5	2.5
13	14.0	13.0	13.5	7.0	5.0	6.0	3.5	2.5	3.0	4.5	1.0	2.5
14	16.0	14.0	15.0	6.0	3.0	4.5	3.0	2.0	2.5	4.5	1.5	3.5
15	17.5	16.0	16.5	4.0	3.0	3.5	3.0	2.5	2.5	1.0	0.0	0.5
16	18.0	16.5	17.0	6.5	3.5	5.0	5.0	3.0	4.0	0.0	0.0	0.0
17	17.0	15.0	16.0	7.0	4.5	5.5	4.5	3.5	4.0	0.0	0.0	0.0
18	15.0	14.0	14.5	7.5	5.0	6.0	3.0	1.0	2.0	0.5	0.0	0.5
19	14.5	13.5	14.0	8.0	5.0	6.5	0.5	0.0	0.0	2.0	0.5	1.0
20	15.0	13.5	14.0	9.0	7.0	8.0	1.0	0.0	0.5	2.0	0.5	1.5
21	15.5	13.0	14.0	6.5	5.5	6.0	3.0	1.0	2.0	2.0	1.5	1.5
22	16.0	13.5	14.5	6.0	4.0	5.0	2.5	0.0	1.0	2.0	1.0	1.5
23	17.0	14.5	15.5	4.5	2.5	3.5	0.5	0.0	0.5	3.0	1.5	2.0
24	15.0	14.0	14.5	3.0	2.0	2.5	---	---	---	3.5	2.0	3.0
25	14.5	13.5	14.0	2.5	0.0	1.5	---	---	---	4.0	1.0	3.0
26	17.0	14.0	15.5	1.5	0.0	0.5	---	---	---	1.0	0.0	0.0
27	18.0	16.0	17.0	2.0	1.0	1.5	---	---	---	0.5	0.0	0.5
28	19.5	17.0	18.0	2.5	1.5	2.0	---	---	---	0.5	0.0	0.5
29	19.5	16.5	17.5	3.0	2.0	2.0	---	---	---	1.0	0.0	0.5
30	18.0	15.0	16.0	3.0	2.0	2.5	---	---	---	1.0	0.0	0.5
31	16.0	14.0	15.0	---	---	---	---	---	---	1.0	0.0	0.5
MONTH	23.5	13.0	16.0	18.0	0.0	6.5	---	---	---	4.5	0.0	1.5

THAMES RIVER BASIN

01123998 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.5	0.0	0.5	4.5	1.5	3.0	7.0	3.5	5.0	16.5	12.5	15.0
2	1.0	0.5	1.0	3.5	2.5	3.0	6.0	5.0	5.0	15.5	13.5	14.5
3	1.0	0.0	0.5	3.0	0.5	1.0	5.5	4.0	5.0	13.5	12.5	13.0
4	1.0	0.0	0.5	1.5	0.0	1.0	5.0	3.5	4.0	12.5	12.0	12.5
5	0.5	0.0	0.0	1.5	0.5	1.0	6.0	2.5	4.5	12.0	11.0	11.5
6	0.5	0.0	0.0	1.5	0.0	0.5	5.5	4.0	5.0	---	---	---
7	1.0	0.0	0.5	2.0	0.5	1.0	5.0	3.0	4.0	---	---	---
8	0.5	0.0	0.0	2.5	0.5	1.5	5.0	2.5	3.5	---	---	---
9	1.0	0.0	0.5	2.0	0.5	1.0	6.0	3.0	4.5	---	---	---
10	1.0	0.0	0.5	3.0	0.0	1.5	6.0	4.0	5.0	---	---	---
11	1.0	0.0	0.5	3.0	1.0	2.0	6.0	4.5	5.0	---	---	---
12	1.5	0.0	0.5	---	---	---	7.0	4.0	5.5	---	---	---
13	1.5	0.5	1.0	---	---	---	7.0	4.5	5.5	---	---	---
14	---	---	---	---	---	---	6.5	4.5	5.5	---	---	---
15	---	---	---	---	---	---	6.5	5.5	5.5	---	---	---
16	---	---	---	---	---	---	9.0	5.0	7.0	---	---	---
17	2.0	1.0	1.5	---	---	---	10.5	7.5	9.0	---	---	---
18	2.5	1.0	1.5	---	---	---	12.0	8.0	10.0	---	---	---
19	1.5	0.0	0.5	---	---	---	14.5	10.0	12.5	---	---	---
20	0.5	0.0	0.0	---	---	---	13.5	8.0	11.0	---	---	---
21	0.5	0.0	0.0	3.0	2.0	2.5	10.0	7.0	8.5	---	---	---
22	1.0	0.0	0.5	3.5	2.0	2.5	9.5	8.0	9.0	---	---	---
23	0.5	0.0	0.5	3.0	1.5	2.5	10.0	8.0	8.5	---	---	---
24	1.0	0.0	0.5	3.0	2.0	2.5	10.5	9.0	10.0	---	---	---
25	1.5	0.5	1.0	4.0	2.0	2.5	12.0	9.0	10.5	---	---	---
26	1.0	0.5	0.5	4.0	1.5	2.5	12.0	9.5	10.5	---	---	---
27	1.5	0.5	1.0	3.5	1.5	2.5	11.0	9.5	10.0	---	---	---
28	3.5	0.5	2.0	4.5	1.5	3.0	12.0	8.5	10.0	---	---	---
29	3.5	2.0	3.0	5.5	2.5	4.0	14.0	11.0	12.0	---	---	---
30	---	---	---	4.5	4.0	4.0	15.0	10.5	13.0	---	---	---
31	---	---	---	4.0	3.5	4.0	---	---	---	---	---	---
MONTH	3.5	0.0	0.5	---	---	---	15.0	2.5	7.5	---	---	---

01123000 QUINEBAUG RIVER NEAR DUDLEY, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	20.0	18.0	19.0	26.5	22.0	24.0	27.0	21.0	24.0
2	---	---	---	21.0	19.0	20.5	27.5	23.5	24.5	25.0	22.0	23.0
3	---	---	---	23.0	21.0	22.0	27.0	23.0	24.5	22.5	20.0	21.0
4	---	---	---	22.5	20.5	21.5	28.0	23.0	25.0	20.5	18.0	19.5
5	---	---	---	21.0	18.0	19.5	---	---	---	22.0	17.0	19.5
6	---	---	---	21.0	18.0	19.5	---	---	---	23.5	17.5	20.0
7	---	---	---	22.0	19.5	20.5	---	---	---	24.0	18.0	20.5
8	---	---	---	22.0	19.5	21.0	---	---	---	24.5	19.5	21.5
9	---	---	---	23.5	19.0	21.0	---	---	---	23.5	19.5	21.5
10	---	---	---	23.0	20.5	22.0	---	---	---	22.0	17.5	19.5
11	---	---	---	26.5	21.0	23.0	25.0	21.5	23.5	23.0	16.0	19.5
12	---	---	---	26.0	22.5	24.5	23.5	20.0	21.5	24.0	17.5	21.0
13	---	---	---	25.5	23.5	24.0	27.0	20.5	23.5	21.5	19.0	20.5
14	20.0	19.0	19.5	26.0	22.5	24.0	25.0	21.0	22.5	23.5	20.0	21.5
15	21.5	19.5	20.0	26.5	24.0	25.5	24.5	20.5	22.0	23.5	18.5	20.5
16	21.0	20.0	20.5	27.0	25.5	26.0	25.0	19.5	21.5	24.0	18.5	21.0
17	21.0	19.5	20.0	28.0	25.5	26.5	23.0	20.5	21.5	25.0	19.5	22.0
18	20.5	19.0	20.0	28.0	25.5	26.5	24.0	21.0	22.0	25.5	21.0	23.0
19	19.5	19.0	19.5	28.5	24.5	26.5	26.0	21.5	23.0	---	---	---
20	21.5	19.5	20.0	25.0	23.0	23.5	27.0	20.5	23.5	19.0	17.5	18.0
21	21.5	20.0	21.0	24.5	22.5	23.5	26.5	21.0	23.5	17.5	16.5	17.0
22	21.0	18.5	20.0	27.0	24.0	25.5	27.5	21.0	24.0	20.0	16.5	18.0
23	19.5	18.0	18.5	26.5	24.5	25.5	28.5	22.0	25.0	19.5	16.5	18.0
24	19.5	17.5	18.5	28.5	25.0	26.5	29.0	23.5	26.0	18.5	16.0	17.0
25	19.0	17.5	18.0	28.0	24.5	26.0	30.0	25.0	27.0	20.5	16.5	18.5
26	18.0	17.5	17.5	26.5	22.5	24.0	30.5	25.5	27.5	23.0	19.0	20.5
27	20.5	17.0	19.0	25.5	22.5	24.0	27.0	25.0	26.0	24.5	20.5	22.5
28	21.5	19.5	20.0	26.5	22.0	24.0	28.5	24.5	26.0	22.5	18.5	20.5
29	22.0	19.5	21.0	26.0	22.5	24.0	28.5	23.0	25.5	19.5	18.0	19.0
30	22.0	19.0	20.0	26.5	22.0	24.5	28.5	22.0	25.0	19.5	17.0	18.5
31	---	---	---	25.0	22.5	23.5	28.5	21.5	24.5	---	---	---
MONTH	---	---	---	29.0	18.0	23.5	30.5	19.5	24.0	27.0	16.0	20.0

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, at gaging station on left bank in rear of high school on Slater Avenue at Jewett City, 570 ft downstream from outlet of canal from Wedgewood Mills at mouth of Pachaug River, 1,000 ft downstream from railroad bridge, and at mile 6.1.

DRAINAGE AREA.--713 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956, June 1968 to September 1972.
Water temperatures: October 1955 to September 1956, October 1958 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
11...	1005	2	1430	3.5	--	--	8.0	1.6	17	2.4	33
11...	1005	3	1430	--	--	--	--	--	--	--	--
NOV.											
08...	1115	2	585	--	--	--	--	--	--	--	26
08...	1115	3	585	--	--	--	--	--	--	--	--
DEC.											
06...	1130	2	1050	--	--	--	--	--	--	--	17
06...	1130	3	1050	--	--	--	--	--	--	--	--
JAN.											
10...	1125	2	1880	--	--	--	--	--	--	--	22
10...	1125	3	1880	--	--	--	--	--	--	--	--
FEB.											
07...	1130	2	1630	--	--	--	--	--	--	--	13
07...	1130	3	1630	--	--	--	--	--	--	--	--
MAR.											
06...	1110	2	5190	--	--	--	--	--	--	--	7
06...	1110	3	5190	--	--	--	--	--	--	--	--
APR.											
10...	1125	2	1800	--	--	--	--	--	--	--	11
10...	1125	3	1800	--	--	--	--	--	--	--	--
MAY											
08...	1120	2	3060	--	--	--	--	--	--	--	10
08...	1120	3	3060	--	--	--	--	--	--	--	--
JUNE											
09...	1115	2	2890	--	--	--	--	--	--	--	12
09...	1115	3	2890	--	--	--	--	--	--	--	--
JULY											
10...	1140	2	1490	9.5	330	20	5.9	1.3	9.6	1.3	11
10...	1140	3	1490	--	--	--	--	--	--	--	--
AUG.											
14...	1125	2	440	1.7	290	20	7.0	1.5	10	1.6	24
14...	1125	3	440	--	--	--	--	--	--	--	--
SEP.											
11...	1130	2	422	9.7	410	0	7.8	1.1	8.7	1.7	18
11...	1130	3	422	--	--	--	--	--	--	--	--

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

EXTREMES.--1971-72:
Water temperatures: Maximum, 26.5°C August 26-30; minimum, 1.0°C on many days during January, February, and March.

Period of record:
Water temperatures: Maximum, 29.5°C Aug. 2, 1970; minimum, freezing point on many days during winter months.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1955-56 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
11...	0	12	17	.1	.16	.49	--	--	--	--	.50
11...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
08...	0	15	15	--	.29	.89	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
06...	0	13	13	--	.12	.37	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
10...	0	13	17	--	.032	.10	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
07...	0	13	18	--	.061	.19	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	0	10	10	--	.030	.09	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
10...	0	12	12	--	.036	.11	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
08...	0	12	11	--	.058	.18	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
05...	0	11	11	--	.046	.14	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	0	12	9.1	.1	.14	.43	.25	.32	.010	.03	.60
10...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
14...	0	11	13	.1	.24	.74	.50	.64	.024	.08	.40
14...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	0	11	12	.4	.39	1.2	.87	1.1	.203	.67	1.0
11...	--	--	--	--	--	--	--	--	--	--	--

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
11...	2.2	--	--	81	313	.11	27	0	27	140	7.0
11...	--	--	--	--	--	--	--	--	--	165	6.6
NOV.											
08...	--	--	--	--	--	--	26	5	21	--	--
08...	--	--	--	--	--	--	--	--	--	124	7.4
DEC.											
06...	--	--	--	--	--	--	23	9	14	--	--
06...	--	--	--	--	--	--	--	--	--	125	7.2
JAN.											
10...	--	--	--	--	--	--	23	5	18	--	--
10...	--	--	--	--	--	--	--	--	--	125	8.0
FEB.											
07...	--	--	--	--	--	--	25	14	11	--	--
07...	--	--	--	--	--	--	--	--	--	128	7.1
MAR.											
06...	--	--	--	--	--	--	15	9	6	--	--
06...	--	--	--	--	--	--	--	--	--	83	7.6
APR.											
10...	--	--	--	--	--	--	20	11	9	--	6.4
10...	--	--	--	--	--	--	--	--	--	102	7.3
MAY											
08...	--	--	--	--	--	--	18	10	8	--	--
08...	--	--	--	--	--	--	--	--	--	90	7.7
JUNE											
05...	--	--	--	--	--	--	18	8	10	--	--
05...	--	--	--	--	--	--	--	--	--	86	7.1
JULY											
10...	2.6	.77	1.6	50	201	.07	20	11	9	77	6.6
10...	--	--	--	--	--	--	--	--	--	84	7.4
AUG.											
14...	1.7	1.0	1.9	62	73.7	.08	24	4	20	109	7.0
14...	--	--	--	--	--	--	--	--	--	121	7.7
SEP.											
11...	4.4	1.0	3.0	66	75.2	.09	24	9	15	98	7.0
11...	--	--	--	--	--	--	--	--	--	120	6.2

TEMPERATURE (°C) OF WATER, OCTOBER 1971 TO SEPTEMBER 1972
(WATER-STAGE RECORDER WITH TEMPERATURE ATTACHMENT)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	20.0	18.0	15.5	15.5	3.5	3.5	3.0	3.5	1.5	1.0	3.5	2.5
2	19.5	19.0	15.5	15.5	3.5	3.0	3.0	3.0	1.0	1.0	3.5	1.0
3	19.0	18.0	15.5	15.5	2.5	2.5	3.5	3.0	1.0	1.0	3.5	1.0
4	19.0	17.5	15.5	15.0	2.5	2.5	3.0	3.0	1.0	1.0	2.5	1.0
5	19.5	18.0	14.5	13.5	2.5	2.5	3.0	3.0	1.0	1.0	1.0	1.0
6	18.5	17.5	13.5	12.0	2.5	2.5	3.5	2.5	1.0	1.0	1.0	1.0
7	18.0	16.5	12.5	11.0	2.5	2.5	2.5	2.5	1.0	1.0	1.0	1.0
8	18.0	16.5	11.0	9.5	3.0	2.5	2.5	2.5	1.0	1.0	1.0	1.0
9	16.5	15.5	9.0	9.0	3.0	3.0	2.5	2.5	1.0	1.0	1.0	1.0
10	16.5	16.0	8.5	8.0	3.5	3.0	2.5	1.5	1.0	1.0	1.0	1.0
11	16.5	15.5	8.0	6.5	4.5	3.5	2.5	1.5	1.0	1.0	1.0	1.0
12	15.5	15.5	6.5	6.5	5.0	4.5	2.5	2.5	1.0	1.0	1.0	1.0
13	15.5	14.5	6.5	6.0	4.5	4.5	3.5	2.5	1.0	1.0	1.0	1.0
14	15.5	15.0	5.5	5.5	4.5	4.5	4.0	3.5	1.0	1.0	3.0	1.0
15	15.5	15.0	6.0	5.5	4.5	4.5	4.5	3.5	1.0	1.0	3.0	1.5
16	16.5	15.5	6.0	5.5	4.5	4.5	3.5	3.0	1.0	1.0	1.5	1.5
17	16.5	15.5	5.5	5.5	4.5	4.5	3.5	2.5	1.0	1.0	3.5	1.5
18	16.0	15.5	6.0	5.5	4.5	4.5	2.5	2.5	1.0	1.0	3.5	3.5
19	15.5	15.5	6.5	5.5	4.5	3.5	2.5	2.5	1.0	1.0	3.5	3.5
20	15.5	14.5	6.0	6.0	3.5	3.0	2.5	2.5	1.0	1.0	4.0	3.5
21	15.5	14.5	6.0	5.5	3.0	3.5	2.5	2.5	1.0	1.0	4.0	4.0
22	15.0	14.5	6.0	5.5	3.5	3.0	2.5	2.5	1.0	1.0	4.5	4.0
23	15.5	14.5	5.5	5.0	3.5	3.0	3.0	2.5	1.0	1.0	5.0	4.5
24	15.5	14.5	5.0	4.5	3.0	3.0	3.5	3.0	1.0	1.0	5.0	5.0
25	14.5	14.5	4.5	3.5	3.0	2.5	3.5	3.5	1.0	1.0	5.0	5.0
26	15.5	14.5	3.5	3.5	3.0	3.0	3.0	2.5	1.0	1.0	5.0	5.0
27	15.5	15.0	3.5	3.5	3.0	3.0	2.5	1.5	1.0	1.0	4.5	4.5
28	16.0	15.0	4.0	3.5	3.5	3.0	1.5	1.0	1.0	1.0	---	---
29	16.5	15.5	3.5	3.5	3.5	3.5	1.0	1.0	1.5	1.0	---	---
30	16.5	15.5	---	---	3.5	3.5	1.0	1.0	---	---	---	---
31	15.5	15.5	---	---	3.5	3.5	1.0	1.0	---	---	---	---
MONTH	20.0	14.5	15.5	3.5	5.0	2.5	4.5	1.0	1.5	1.0	5.0	1.0

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR- BID- ITY (JTU)	TEMP- ERATURE (DEG C)	AIR TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	PHENOLS (UG/L)
OCT.											
11...	1	16.5	18.5	--	--	--	--	--	56	1.4	--
11...	--	16.5	18.5	9.0	92	16000	780	250	--	--	--
NOV.											
08...	1	10.5	7.0	--	--	--	--	--	--	--	--
08...	--	10.5	7.0	10.8	97	34000	3600	3600	--	--	--
DEC.											
06...	1	3.0	.0	--	--	--	--	--	--	--	--
06...	--	3.0	.0	7.0	52	140000	10000	5200	--	--	--
JAN.											
10...	3	2.0	12.5	--	--	--	--	--	--	--	--
10...	--	2.0	12.5	8.7	62	15000	1600	1500	--	--	--
FEB.											
07...	1	2.0	-2.0	--	--	--	--	--	--	--	--
07...	--	2.0	-2.0	10.7	77	11000	3900	2700	--	--	--
MAR.											
06...	1	1.0	-4.0	--	--	--	--	--	--	--	--
06...	--	1.0	-4.0	13.4	95	6300	650	800	--	--	--
APR.											
10...	1	5.5	7.0	--	--	--	--	--	--	--	--
10...	--	5.5	7.0	11.0	87	24000	3000	2000	--	--	--
MAY											
08...	1	15.0	16.0	--	--	--	--	--	--	--	--
08...	--	15.0	16.0	8.9	87	18000	2000	2100	--	--	--
JUNE											
05...	2	21.0	2.3	--	--	--	--	--	--	--	--
05...	--	21.0	2.3	7.9	88	2300	300	280	--	--	--
JULY											
10...	1	20.0	25.0	--	--	--	--	--	36	.5	14
10...	--	20.0	25.0	7.6	83	6000	1800	2300	--	--	--
AUG.											
14...	1	21.5	22.0	--	--	--	--	--	46	.9	--
14...	--	21.5	22.0	7.8	88	17000	4600	2700	--	--	--
SEP.											
11...	1	19.5	19.0	--	--	--	--	--	42	.8	--
11...	--	19.5	19.0	8.4	90	7600	300	120	--	--	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued
(WATER-STAGE RECORDER WITH TEMPERATURE ATTACHMENT)

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.0	5.5	15.0	13.0	20.5	19.5	20.5	20.5	24.0	23.5	25.0	23.5
2	6.5	6.0	15.5	14.5	19.5	19.5	21.0	20.5	24.5	23.5	24.5	24.0
3	6.5	6.5	15.5	15.0	20.0	19.5	22.0	21.0	23.5	23.5	24.5	23.0
4	6.5	6.0	15.0	14.5	21.0	20.0	23.0	22.0	25.0	23.5	22.5	21.0
5	6.0	5.5	14.5	14.0	21.0	21.0	22.0	22.0	25.0	23.5	20.5	20.5
6	6.0	5.5	14.0	13.5	21.0	20.0	21.0	20.0	24.0	23.0	21.5	20.0
7	6.0	6.0	15.0	14.0	20.0	20.0	21.0	20.0	23.0	22.0	21.5	20.0
8	5.5	5.0	15.0	15.0	20.0	20.0	21.0	20.5	23.5	22.0	21.5	20.0
9	5.5	5.5	15.0	13.0	20.0	19.5	21.0	21.0	23.5	23.0	22.5	20.5
10	6.0	5.5	13.0	11.5	19.5	19.0	21.0	20.5	24.0	23.0	21.0	20.0
11	6.0	5.5	11.5	11.5	20.0	18.5	22.0	21.0	24.0	22.0	20.5	19.0
12	6.0	5.5	13.0	11.5	18.5	18.0	23.5	22.0	22.0	21.5	21.0	19.0
13	6.0	6.0	13.0	13.0	18.0	18.0	23.5	23.5	23.5	21.5	20.5	20.0
14	6.5	6.0	15.0	13.0	18.0	18.0	23.5	23.5	24.0	21.5	20.5	20.0
15	6.5	6.5	15.0	15.0	19.0	18.0	24.0	23.5	23.0	22.0	21.0	20.0
16	7.0	6.5	16.5	15.0	20.0	19.0	24.5	24.0	23.0	21.5	21.0	19.5
17	9.0	7.0	18.0	16.5	20.5	20.0	25.0	24.5	21.5	21.0	21.0	19.5
18	10.0	9.0	19.0	18.0	20.5	20.0	25.5	25.0	21.0	21.0	22.0	21.0
19	11.5	10.0	19.0	19.0	20.0	18.5	26.0	25.5	23.5	21.0	21.5	21.0
20	12.0	11.5	19.0	18.0	19.0	18.5	25.5	25.0	24.5	21.5	21.0	19.0
21	12.5	10.5	17.0	16.5	20.0	19.0	25.0	24.5	23.5	21.5	19.0	18.0
22	10.5	10.0	18.5	16.5	20.0	20.0	25.5	24.5	24.0	22.0	19.5	18.0
23	10.0	10.0	19.0	18.5	20.0	19.0	25.5	25.0	24.5	22.0	18.0	17.5
24	10.0	10.0	20.0	19.0	19.0	19.0	26.0	25.5	25.5	23.5	18.0	16.5
25	10.0	10.0	20.0	19.0	19.0	19.0	26.0	25.5	26.0	25.0	19.0	17.5
26	10.5	10.0	19.0	19.0	19.0	19.0	25.5	25.5	26.5	25.0	19.5	19.0
27	10.5	10.5	19.0	18.5	19.0	19.0	25.0	24.5	26.5	26.5	21.0	19.5
28	10.5	10.0	19.0	18.5	20.0	19.0	24.5	24.0	26.5	26.5	21.0	20.0
29	11.5	10.5	19.5	18.0	21.0	20.0	25.5	24.0	26.5	25.5	20.0	19.5
30	12.0	11.0	20.0	19.5	21.0	21.0	25.5	24.5	26.5	25.5	18.5	17.0
31	---	---	20.5	20.5	---	---	24.0	24.0	---	---	---	---
MONTH	12.5	5.0	20.5	11.5	21.0	18.0	26.0	20.0	26.5	21.0	25.0	16.5

01127500 YANTIC RIVER AT YANTIC, CONN.

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, at gaging station on left bank at Yantic, 700 ft downstream from stone-arch highway bridge, 1 mile downstream from Susquetonscut Brook, and 4.8 miles upstream from mouth.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
11...	1130	2	310	6.5	--	--	9.0	1.6	4.8	3.8	11	0
11...	1130	3	310	--	--	--	--	--	--	--	--	--
NOV.												
08...	1255	2	79	--	--	--	--	--	--	--	17	0
08...	1255	3	79	--	--	--	--	--	--	--	--	--
DEC.												
06...	1320	2	104	--	--	--	--	--	--	--	14	0
06...	1320	3	104	--	--	--	--	--	--	--	--	--
JAN.												
10...	1250	2	350	--	--	--	--	--	--	--	12	0
10...	1250	3	350	--	--	--	--	--	--	--	--	--
FEB.												
07...	1305	2	145	--	--	--	--	--	--	--	12	0
07...	1305	3	145	--	--	--	--	--	--	--	--	--
MAR.												
06...	1235	2	420	--	--	--	--	--	--	--	8	0
06...	1235	3	420	--	--	--	--	--	--	--	--	--
APR.												
10...	1250	2	155	--	--	--	--	--	--	--	12	0
10...	1250	3	155	--	--	--	--	--	--	--	--	--
MAY												
08...	1245	2	300	--	--	--	--	--	--	--	11	0
08...	1245	3	300	--	--	--	--	--	--	--	--	--
JUNE												
05...	1300	2	300	--	--	--	--	--	--	--	14	0
05...	1300	3	300	--	--	--	--	--	--	--	--	--
JULY												
10...	1340	2	155	7.4	310	0	7.5	1.4	5.5	2.2	18	0
10...	1340	3	155	--	--	--	--	--	--	--	--	--
AUG.												
14...	1325	2	36	5.7	460	0	9.0	1.7	6.3	2.4	21	0
14...	1325	3	36	--	--	--	--	--	--	--	--	--
SEP.												
11...	1200	2	23	5.4	300	30	10	1.8	6.3	2.5	22	0
11...	1200	3	23	--	--	--	--	--	--	--	--	--

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

DRAINAGE AREA.--90.0 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958, June 1968 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_ SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
11...	17	9.9	.0	.050	.050	.15	--	--	--	--	.50
11...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
08...	15	14	--	--	.020	.06	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
06...	13	11	--	--	.009	.03	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
10...	13	11	--	--	.011	.03	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
07...	12	13	--	--	.009	.03	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	11	9.5	--	--	.000	.00	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
10...	12	11	--	--	.004	.01	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
08...	12	8.4	--	--	.49	1.5	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
05...	11	8.0	--	--	.016	.05	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	11	9.8	.2	--	.077	.24	.30	.39	.051	.17	.50
10...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
14...	10	13	.1	--	.13	.40	.25	.32	.130	.43	.70
14...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	11	14	.0	--	.040	.12	.07	.09	.007	.02	.30
11...	--	--	--	--	--	--	--	--	--	--	--

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)
OCT.											
11...	1	15.5	16.5	--	--	--	--	--	24	.4	--
11...	--	15.5	16.5	8.5	86	31000	14000	22000	--	--	--
NOV.											
08...	1	8.5	7.0	--	--	--	--	--	--	--	--
08...	--	8.5	7.0	11.0	94	1200	120	88	--	--	--
DEC.											
06...	1	3.0	1.0	--	--	--	--	--	--	--	--
06...	--	3.0	1.0	10.0	73	210	68	180	--	--	--
JAN.											
10...	1	2.0	12.0	--	--	--	--	--	--	--	--
10...	--	2.0	12.0	8.7	62	3400	680	5500	--	--	--
FEB.											
07...	1	2.0	-2.0	--	--	--	--	--	--	--	--
07...	--	2.0	-2.0	10.5	75	4800	78	40	--	--	--
MAR.											
06...	1	2.0	-2.0	--	--	--	--	--	--	--	--
06...	--	2.0	-2.0	13.0	94	600	26	88	--	--	--
APR.											
10...	1	6.0	10.5	--	--	--	--	--	--	--	--
10...	--	6.0	10.5	10.2	82	190	16	60	--	--	--
MAY											
08...	1	15.5	15.5	--	--	--	--	--	--	--	--
08...	--	15.5	15.5	9.5	95	4000	120	130	--	--	--
JUNE											
09...	1	20.0	22.0	--	--	--	--	--	--	--	--
09...	--	20.0	22.0	8.0	87	2100	820	680	--	--	--
JULY											
10...	1	21.5	26.0	--	--	--	--	--	30	.5	3
10...	--	21.5	26.0	8.1	90	29000	10000	20000	--	--	--
AUG.											
14...	1	22.0	26.5	--	--	--	--	--	30	.5	--
14...	--	22.0	26.5	8.0	91	3200	1100	740	--	--	--
SEP.											
11...	1	17.0	22.5	--	--	--	--	--	28	.5	--
11...	--	17.0	22.5	8.7	90	5700	100	180	--	--	--

THAMES RIVER BASIN

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS- SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
OCT.											
11...	2.2	--	--	60	50.2	.08	29	20	9	97	6.5
11...	--	--	--	--	--	--	--	--	--	96	6.7
NOV.											
08...	--	--	--	--	--	--	32	18	14	--	--
08...	--	--	--	--	--	--	--	--	--	114	7.4
DEC.											
06...	--	--	--	--	--	--	26	15	11	--	--
06...	--	--	--	--	--	--	--	--	--	110	7.3
JAN.											
10...	--	--	--	--	--	--	25	19	10	--	--
10...	--	--	--	--	--	--	--	--	--	117	7.9
FEB.											
07...	--	--	--	--	--	--	25	15	10	--	--
07...	--	--	--	--	--	--	--	--	--	109	7.6
MAR.											
06...	--	--	--	--	--	--	20	13	7	--	--
06...	--	--	--	--	--	--	--	--	--	87	7.6
APR.											
10...	--	--	--	--	--	--	25	15	10	--	6.6
10...	--	--	--	--	--	--	--	--	--	104	7.5
MAY											
08...	--	--	--	--	--	--	20	11	9	--	--
08...	--	--	--	--	--	--	--	--	--	80	7.6
JUNE											
05...	--	--	--	--	--	--	22	11	11	--	--
05...	--	--	--	--	--	--	--	--	--	85	7.3
JULY											
10...	--	.40	1.2	57	23.9	.08	24	10	15	92	6.8
10...	--	--	--	--	--	--	--	--	--	97	7.6
AUG.											
14...	3.0	.75	1.8	66	6.22	.09	29	12	17	106	7.0
14...	--	--	--	--	--	--	--	--	--	110	6.9
SEP.											
11...	1.3	.41	.78	64	3.97	.09	32	14	18	110	7.2
11...	--	--	--	--	--	--	--	--	--	270	6.5

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.

(Formerly published as 01184000 Connecticut River at Thompsonville, Conn.)

LOCATION.--Lat 42°02'57", long 72°36'35", Hampden County, on right bank at Agawam, Mass., 1.4 miles upstream from Massachusetts-Connecticut State line, and 4.5 miles upstream from gaging station at Thompsonville, Conn.

DRAINAGE AREA.--9,661 sq mi at gage at Thompsonville, Conn.

PERIOD OF RECORD.--Chemical analyses: January 1969 to September 1972.
Water temperatures: January 1969 to September 1972.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	150	146	148	155	142	150	124	111	117	113	103	108
2	151	141	145	148	138	145	120	110	116	160	109	128
3	153	143	149	---	---	---	130	101	123	172	109	143
4	156	147	151	---	---	---	134	125	130	124	113	118
5	146	141	144	141	136	139	132	129	131	121	110	117
6	144	140	142	140	130	134	142	120	132	121	111	119
7	142	132	138	142	133	138	189	145	158	127	118	123
8	138	132	136	134	131	133	157	91	115	129	122	126
9	141	132	136	132	123	128	96	88	91	177	124	141
10	140	135	139	132	123	128	98	90	94	179	141	165
11	---	---	---	136	128	132	101	91	96	135	105	115
12	---	---	---	136	129	132	90	76	80	108	97	102
13	---	---	---	136	123	131	86	76	79	116	100	106
14	---	---	---	145	130	138	98	82	89	117	98	106
15	138	132	135	150	138	145	106	97	102	98	87	94
16	136	132	134	138	131	134	104	96	100	114	98	105
17	138	131	134	148	136	145	94	76	82	115	107	112
18	143	138	141	146	138	142	82	76	77	124	108	116
19	---	---	---	142	132	140	88	81	85	124	119	122
20	141	136	138	139	130	134	100	89	95	120	113	115
21	135	133	134	136	132	134	106	100	104	126	110	119
22	139	132	137	139	132	135	110	102	105	126	122	124
23	142	132	139	131	122	126	110	100	106	128	122	125
24	141	132	136	132	122	127	154	104	118	173	126	135
25	152	143	147	143	132	136	146	92	111	143	114	130
26	152	144	150	167	147	155	144	88	99	129	100	117
27	143	140	141	162	143	150	127	97	107	116	104	112
28	---	---	---	159	138	149	105	98	102	125	113	119
29	138	131	135	148	134	142	103	95	98	129	120	125
30	135	130	132	149	124	132	104	94	96	137	123	132
31	142	133	136	---	---	---	107	100	103	141	131	136
MONTH	156	109	140	167	122	138	189	76	105	179	87	121

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

(Formerly published as 01184000 Connecticut River at Thompsonville, Conn.)

EXTREMES.--1971-72:
Specific conductance: Maximum, 194 micromhos Feb. 5; minimum, 61 micromhos Apr. 18.
pH: Maximum, 8.5 July 18; minimum, 5.8 Oct. 26
Dissolved oxygen: Maximum recorded, 14.8 mg/l Apr. 9; minimum, 2.1 mg/l Apr. 18.
Water temperatures: Maximum, 27.5°C July 24, 25; minimum, freezing point on several days during winter period.

Period of record:
Specific conductance: Maximum, 217 micromhis Feb. 9, 1971; minimum, 49 micromhos Apr. 23, 1969.
pH: Maximum, 9.7 Aug. 9, 1970; minimum, 5.8 Oct. 26, 1971.
Dissolved oxygen: Maximum, 15.9 mg/l Feb. 17, 1971; minimum, 1.0 mg/l Aug. 20, 1971.
Water temperatures: Maximum, 31.5°C Aug. 16, 1970; minimum, freezing point on several days during winter periods of 1970-72 water years.

REMARKS.--Figures of daily discharge for gaging station at Thompsonville, Conn., (sta 01184000) are used for this site. Records of hourly water-quality values are available in the New England district office.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	136	120	131	177	144	157	96	93	95	---	---	---
2	130	120	124	163	148	156	95	85	89	---	---	---
3	142	120	129	156	116	128	86	74	79	---	---	---
4	---	---	---	123	100	109	86	72	77	---	---	---
5	194	136	160	114	99	106	93	86	91	---	---	---
6	135	120	129	119	102	110	97	93	95	---	---	---
7	146	128	135	140	100	115	108	95	100	---	---	---
8	149	133	141	140	121	126	107	98	100	---	---	---
9	132	121	127	127	100	120	102	99	101	---	---	---
10	137	130	132	123	110	117	102	99	101	---	---	---
11	132	129	131	120	101	117	105	100	102	---	---	---
12	130	125	128	142	109	121	102	98	100	---	---	---
13	180	129	144	123	108	120	98	91	94	---	---	---
14	184	122	153	126	109	119	92	83	87	---	---	---
15	120	105	109	136	109	122	82	76	78	---	---	---
16	111	100	103	150	123	136	82	77	80	---	---	---
17	114	103	109	159	112	131	79	66	71	---	---	---
18	121	111	116	108	79	90	65	61	62	---	---	---
19	122	110	115	82	76	79	---	---	---	---	---	---
20	130	100	123	90	82	85	---	---	---	---	---	---
21	134	123	130	96	87	92	---	---	---	---	---	---
22	126	122	124	100	91	96	---	---	---	---	---	---
23	129	120	126	88	71	76	---	---	---	---	---	---
24	137	108	126	75	71	73	---	---	---	94	90	92
25	158	124	135	80	72	76	---	---	---	95	91	92
26	144	124	136	89	81	85	---	---	---	97	94	95
27	174	130	151	91	87	89	---	---	---	101	96	98
28	189	147	163	96	91	93	---	---	---	110	100	106
29	181	109	133	98	94	96	---	---	---	115	108	111
30	---	---	---	99	94	96	---	---	---	115	108	111
31	---	---	---	96	92	94	---	---	---	116	108	113
MONTH	194	100	132	177	71	107	---	---	---	---	---	---

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	104	92	98	84	73	81	124	106	119	135	128	131
2	75	68	71	77	64	71	123	118	121	136	131	132
3	83	75	78	86	76	81	126	120	122	138	134	136
4	92	85	90	---	---	---	127	123	125	140	132	135
5	92	87	90	---	---	---	127	122	125	144	138	141
6	96	86	91	---	---	---	125	120	122	143	133	137
7	104	95	103	---	---	---	128	121	124	144	137	141
8	102	88	93	---	---	---	130	123	126	148	136	139
9	104	91	101	---	---	---	131	125	128	150	144	147
10	92	80	85	---	---	---	133	128	131	154	145	148
11	92	87	89	---	---	---	132	123	129	151	141	146
12	97	90	93	---	---	---	131	122	126	148	141	144
13	100	92	96	---	---	---	128	123	125	147	141	144
14	102	99	100	---	---	---	132	123	127	147	140	144
15	106	100	103	---	---	---	140	109	134	145	140	143
16	109	100	106	---	---	---	135	123	129	144	138	141
17	110	100	107	---	---	---	131	123	127	144	136	139
18	111	100	109	---	---	---	132	125	129	---	---	---
19	122	107	114	---	---	---	131	123	129	---	---	---
20	120	109	117	---	---	---	131	121	126	---	---	---
21	113	107	110	123	121	122	133	130	132	---	---	---
22	122	107	112	127	121	123	131	120	128	144	139	142
23	126	97	109	126	122	124	133	120	127	149	143	146
24	99	91	97	129	122	124	132	123	127	146	141	143
25	94	82	85	131	124	129	135	131	133	151	143	148
26	86	77	83	123	109	115	137	130	133	150	143	146
27	80	68	74	119	110	114	136	130	132	149	141	146
28	81	69	77	120	109	117	134	123	130	150	140	145
29	95	83	90	121	109	118	129	123	126	150	140	145
30	95	76	88	119	113	116	123	118	121	155	147	151
31	---	---	---	118	114	116	127	122	125	---	---	---
MONTH	126	69	95	---	---	---	140	109	127	155	128	142

PH (UNITS), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.3	7.2	7.3	7.2	7.1	7.1	---	---	---
2	---	---	---	---	---	---	7.2	7.1	7.1	---	---	---
3	---	---	---	---	---	---	7.2	7.0	7.1	---	---	---
4	---	---	---	---	---	---	7.1	7.1	7.1	7.1	6.9	6.9
5	---	---	---	---	---	---	7.1	7.1	7.1	6.9	6.9	6.9
6	6.7	6.4	6.5	---	---	---	7.1	7.0	7.1	6.9	6.8	6.8
7	6.7	6.6	6.6	---	---	---	7.1	7.0	7.1	6.8	6.7	6.8
8	6.8	6.6	6.7	---	---	---	7.1	7.0	7.1	6.8	6.7	6.8
9	6.9	6.6	6.7	---	---	---	7.0	7.0	7.0	6.7	6.6	6.7
10	6.6	6.4	6.5	---	---	---	7.0	7.0	7.0	6.8	6.6	6.7
11	---	---	---	---	---	---	---	---	---	6.8	6.7	6.8
12	---	---	---	---	---	---	---	---	---	6.9	6.8	6.8
13	---	---	---	---	---	---	---	---	---	6.9	6.8	6.9
14	---	---	---	---	---	---	---	---	---	7.0	6.9	6.9
15	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
16	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
17	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
18	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
19	---	---	---	---	---	---	---	---	---	---	---	---
20	7.7	7.0	7.4	---	---	---	---	---	---	---	---	---
21	7.7	7.0	7.4	---	---	---	---	---	---	---	---	---
22	7.5	6.1	7.0	---	---	---	---	---	---	---	---	---
23	7.6	6.2	6.9	---	---	---	---	---	---	---	---	---
24	7.0	6.0	6.7	7.2	7.1	7.1	---	---	---	---	---	---
25	6.1	5.9	6.0	7.2	7.0	7.1	---	---	---	---	---	---
26	7.5	5.8	6.5	7.1	7.0	7.1	---	---	---	---	---	---
27	7.3	7.2	7.2	7.1	7.0	7.1	---	---	---	---	---	---
28	---	---	---	7.1	7.0	7.0	---	---	---	---	---	---
29	7.0	6.7	6.8	7.1	7.1	7.1	---	---	---	---	---	---
30	7.2	6.8	7.0	7.1	7.0	7.1	---	---	---	---	---	---
31	7.3	7.0	7.1	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

CONNECTICUT RIVER BASIN

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

PH (UNITS), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.7	6.7	6.7	6.9	6.8	6.8	---	---	---
2	---	---	---	6.9	6.7	6.8	6.9	6.8	6.8	---	---	---
3	---	---	---	6.9	6.8	6.8	6.9	6.8	6.9	---	---	---
4	---	---	---	7.0	6.9	6.9	7.1	6.8	6.9	---	---	---
5	---	---	---	7.0	7.0	7.0	7.1	6.9	7.0	---	---	---
6	---	---	---	7.1	7.0	7.0	6.9	6.9	6.9	---	---	---
7	---	---	---	7.2	7.0	7.1	6.9	6.8	6.9	---	---	---
8	---	---	---	7.1	7.0	7.0	6.9	6.8	6.9	---	---	---
9	---	---	---	7.1	7.0	7.0	6.9	6.8	6.8	---	---	---
10	---	---	---	7.1	6.9	7.0	6.8	6.8	6.8	---	---	---
11	6.9	6.8	6.8	7.0	6.9	7.0	6.8	6.7	6.8	---	---	---
12	6.9	6.8	6.9	7.0	6.9	6.9	6.8	6.7	6.7	---	---	---
13	6.9	6.7	6.8	6.9	6.9	6.9	7.0	6.7	6.8	---	---	---
14	6.9	6.8	6.9	7.0	6.8	6.9	7.0	6.9	6.9	---	---	---
15	7.0	6.8	6.9	6.9	6.8	6.8	6.9	6.8	6.9	---	---	---
16	7.0	6.9	6.9	6.9	6.8	6.8	7.0	6.9	7.0	---	---	---
17	6.9	6.9	6.9	6.8	6.7	6.8	7.0	6.9	6.9	---	---	---
18	6.9	6.8	6.9	6.8	6.7	6.7	6.9	6.8	6.8	---	---	---
19	6.9	6.8	6.9	6.8	6.7	6.8	---	---	---	---	---	---
20	6.9	6.7	6.8	6.8	6.8	6.8	---	---	---	---	---	---
21	6.9	6.8	6.9	6.8	6.7	6.8	---	---	---	---	---	---
22	6.9	6.8	6.8	7.0	6.8	6.9	---	---	---	---	---	---
23	6.8	6.7	6.8	6.9	6.8	6.8	---	---	---	---	---	---
24	6.8	6.7	6.8	6.8	6.7	6.8	---	---	---	6.7	6.6	6.6
25	6.8	6.7	6.7	6.9	6.8	6.8	---	---	---	6.6	6.5	6.5
26	6.7	6.7	6.7	6.9	6.8	6.9	---	---	---	6.5	6.4	6.5
27	6.8	6.7	6.7	6.9	6.9	6.9	---	---	---	6.6	6.5	6.5
28	6.8	6.6	6.6	7.0	6.9	6.9	---	---	---	6.5	6.4	6.5
29	6.7	6.6	6.7	6.9	6.9	6.9	---	---	---	6.4	6.4	6.4
30	---	---	---	7.0	6.8	6.9	---	---	---	---	---	---
31	---	---	---	6.9	6.8	6.8	---	---	---	---	---	---
MONTH	---	---	---	7.2	6.7	6.9	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.5	6.3	6.4	6.7	6.5	6.6	6.8	6.7	6.7
2	6.8	6.7	6.7	6.6	6.3	6.5	6.7	6.5	6.6	6.8	6.7	6.7
3	6.7	6.6	6.7	6.5	6.1	6.3	6.9	6.5	6.7	6.8	6.7	6.7
4	---	---	---	---	---	---	6.9	6.6	6.7	6.9	6.7	6.8
5	---	---	---	---	---	---	6.9	6.7	6.8	6.9	6.7	6.8
6	---	---	---	---	---	---	7.1	6.7	6.8	6.8	6.7	6.8
7	---	---	---	---	---	---	6.9	6.6	6.7	6.8	6.6	6.7
8	---	---	---	---	---	---	6.9	6.6	6.7	7.2	6.6	6.9
9	7.1	6.7	6.9	---	---	---	6.9	6.6	6.7	6.9	6.6	6.7
10	6.7	6.6	6.7	7.1	7.0	7.0	6.9	6.6	6.8	6.9	6.7	6.8
11	6.9	6.7	6.8	7.1	6.9	7.0	6.9	6.6	6.7	7.1	6.6	6.8
12	6.9	6.8	6.9	8.2	6.8	7.4	7.3	6.6	6.8	6.9	6.6	6.8
13	7.0	6.7	6.8	7.3	6.7	6.9	6.9	6.6	6.7	6.8	6.6	6.6
14	6.7	6.6	6.6	7.1	6.6	6.8	6.8	6.5	6.6	6.8	6.6	6.7
15	6.7	6.5	6.6	7.2	6.8	7.0	6.8	6.5	6.6	6.7	6.6	6.7
16	6.7	6.5	6.6	7.3	6.8	7.0	7.0	6.5	6.7	6.8	6.7	6.7
17	6.7	6.2	6.5	7.5	6.7	7.0	6.9	6.5	6.7	6.8	6.6	6.6
18	6.6	6.5	6.6	8.5	6.7	7.5	6.8	6.6	6.7	---	---	---
19	6.6	6.4	6.5	7.5	6.8	7.0	7.0	6.6	6.7	---	---	---
20	6.6	6.3	6.4	6.8	6.6	6.7	7.1	6.5	6.8	---	---	---
21	6.7	6.4	6.6	6.8	6.5	6.6	6.9	6.6	6.7	---	---	---
22	6.7	6.4	6.5	6.8	6.5	6.7	7.1	6.6	6.8	6.9	6.8	6.9
23	6.9	6.7	6.7	6.9	6.7	6.8	7.0	6.7	6.9	6.9	6.7	6.8
24	6.8	6.4	6.5	7.2	6.8	7.0	6.9	6.6	6.8	7.0	6.7	6.8
25	6.6	6.2	6.4	7.4	7.0	7.2	6.8	6.6	6.7	7.0	6.8	6.9
26	7.3	6.4	6.7	7.9	7.1	7.4	6.9	6.6	6.8	6.8	6.6	6.7
27	6.9	6.4	6.5	7.4	6.9	7.1	6.8	6.6	6.7	6.8	6.6	6.7
28	7.0	6.1	6.6	7.5	6.8	7.1	6.8	6.5	6.6	6.8	6.6	6.7
29	6.8	6.6	6.8	7.2	6.8	6.9	6.9	6.6	6.8	6.9	6.6	6.8
30	6.6	6.1	6.5	6.9	6.7	6.8	6.8	6.6	6.7	6.8	6.5	6.7
31	---	---	---	6.7	6.6	6.6	6.9	6.7	6.8	---	---	---
MONTH	7.3	6.1	6.6	8.5	6.1	6.9	7.1	6.5	6.7	7.2	6.5	6.8

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	13.2	12.9	13.0
5	---	6.1	---	---	---	---	---	---	---	12.9	12.2	12.8
6	---	---	---	---	---	---	---	---	---	13.2	12.5	12.9
7	---	---	---	---	---	---	---	---	---	12.9	12.3	12.6
8	---	---	---	---	---	---	---	---	---	12.9	12.2	12.7
9	---	---	---	---	---	---	---	---	---	12.7	12.2	12.5
10	---	---	---	---	---	---	12.5	12.4	12.4	13.0	12.5	12.7
11	---	---	---	---	---	---	12.5	12.2	12.4	13.4	13.1	13.2
12	---	---	---	9.0	7.6	8.5	13.2	12.6	13.0	13.5	13.3	13.5
13	---	---	---	9.0	7.6	8.3	13.0	12.9	13.0	13.4	12.8	13.2
14	---	---	---	9.0	7.5	8.2	13.0	12.8	12.9	13.4	12.4	13.1
15	6.6	6.2	6.4	8.2	6.7	7.7	12.9	12.6	12.8	13.6	13.3	13.5
16	7.2	6.7	6.9	9.5	7.0	8.0	12.7	12.5	12.6	---	---	---
17	8.3	7.2	7.9	9.2	7.9	8.7	---	---	---	13.4	13.0	13.2
18	8.6	8.2	8.4	9.3	8.2	8.8	13.0	12.2	12.9	---	---	---
19	---	---	---	9.3	8.3	8.8	13.5	12.9	13.3	---	---	---
20	7.2	6.0	6.5	9.7	8.1	9.1	---	---	---	---	---	---
21	6.3	5.9	6.0	9.0	8.1	8.6	13.5	12.9	13.3	---	---	---
22	6.6	6.2	6.3	9.1	7.9	8.5	13.5	11.2	12.4	---	---	---
23	6.5	6.2	6.4	10.1	8.8	9.1	13.0	10.2	11.4	---	---	---
24	6.4	6.0	6.2	---	---	---	11.3	10.5	10.9	---	---	---
25	6.1	5.7	5.9	---	---	---	11.6	9.4	11.1	---	---	---
26	6.0	5.7	5.8	---	---	---	12.6	9.7	12.1	---	---	---
27	6.0	5.8	5.9	---	---	---	12.1	11.6	11.9	---	---	---
28	---	---	---	---	---	---	12.1	10.7	11.8	---	---	---
29	---	---	---	---	---	---	11.6	10.9	11.3	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	12.6	11.8	12.1	14.1	11.3	13.6	---	---	---
2	12.8	12.1	12.6	12.7	12.0	12.3	12.9	10.7	12.4	---	---	---
3	---	---	---	13.4	12.5	12.9	13.5	11.3	13.0	---	---	---
4	---	---	---	13.7	13.2	13.5	13.7	12.5	13.3	---	---	---
5	13.2	12.7	12.9	13.6	13.2	13.3	14.3	12.8	13.5	---	---	---
6	13.2	12.4	12.8	13.5	13.0	13.2	12.7	10.2	11.3	---	---	---
7	12.8	12.3	12.6	13.0	12.4	12.7	13.7	10.2	11.3	---	---	---
8	12.4	12.1	12.2	12.7	12.4	12.5	13.6	11.0	12.8	---	---	---
9	12.8	12.0	12.5	13.4	12.6	12.9	14.0	12.2	13.6	---	---	---
10	12.8	12.3	12.5	13.1	12.5	12.9	14.5	12.2	13.7	---	---	---
11	12.8	12.2	12.5	12.8	12.5	12.7	13.4	10.9	12.5	---	---	---
12	12.6	12.1	12.3	12.7	12.3	12.5	12.6	10.0	11.6	---	---	---
13	12.3	11.7	12.1	12.6	12.3	12.5	12.7	11.3	12.0	---	---	---
14	12.9	12.1	12.6	12.6	12.3	12.4	13.6	12.5	13.0	---	---	---
15	13.3	13.0	13.2	13.0	12.4	12.7	13.4	12.8	13.1	---	---	---
16	---	---	---	13.2	11.1	11.9	13.6	10.5	12.2	---	---	---
17	---	---	---	12.8	10.9	11.7	11.5	10.3	11.0	---	---	---
18	---	---	---	13.8	10.4	12.8	12.9	10.3	11.8	---	---	---
19	---	---	---	14.3	11.2	13.7	---	---	---	---	---	---
20	---	---	---	12.4	8.7	11.5	---	---	---	---	---	---
21	---	---	---	13.3	11.0	12.9	---	---	---	---	---	---
22	---	---	---	13.1	13.0	13.1	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	13.3	11.5	12.9	---	---	---	9.6	8.4	9.2
25	---	---	---	14.1	10.7	12.7	---	---	---	9.7	8.8	9.4
26	---	---	---	13.7	9.3	11.8	---	---	---	9.8	8.9	9.3
27	---	---	---	13.9	9.8	12.5	---	---	---	10.3	8.9	9.6
28	---	---	---	14.4	10.9	12.7	---	---	---	10.2	8.5	9.2
29	12.3	12.0	12.1	14.6	12.4	13.8	---	---	---	9.3	8.3	8.9
30	---	---	---	14.6	14.0	14.2	---	---	---	9.0	8.0	8.5
31	---	---	---	14.5	13.9	14.2	---	---	---	8.1	6.3	7.3
MONTH	---	---	---	14.6	8.7	12.8	---	---	---	---	---	---

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	6.8	5.3	5.9	6.2	4.6	5.3
2	---	---	---	---	---	---	6.7	5.2	5.9	5.8	3.6	4.5
3	---	---	---	---	---	---	6.5	4.9	5.5	4.9	3.0	4.0
4	---	---	---	---	---	---	6.5	4.3	5.4	6.2	3.9	4.8
5	---	---	---	---	---	---	7.2	5.3	6.2	5.1	3.1	4.3
6	---	---	---	---	---	---	7.8	5.7	6.7	4.9	2.5	3.7
7	---	---	---	---	---	---	6.5	5.5	6.1	5.3	2.9	4.2
8	---	---	---	---	---	---	7.1	5.6	6.1	7.3	3.5	5.4
9	---	---	---	---	---	---	7.1	5.1	6.0	5.7	3.3	4.6
10	---	---	---	7.8	7.4	7.6	7.5	5.5	6.4	6.6	3.8	4.9
11	---	---	---	8.6	7.3	8.0	7.6	5.6	6.5	7.5	4.2	5.5
12	---	---	---	9.7	7.5	8.6	7.8	5.7	6.7	6.3	4.4	5.4
13	---	---	---	8.1	6.4	7.2	7.2	5.7	6.6	5.5	3.5	4.2
14	---	---	---	7.5	6.5	7.1	7.2	5.2	6.2	4.5	3.3	3.7
15	---	---	---	7.7	6.6	7.2	7.0	4.7	5.9	5.4	3.0	4.3
16	---	---	---	8.9	6.6	7.6	8.2	4.8	6.6	5.8	4.7	5.2
17	---	---	---	10.3	6.4	8.2	8.0	5.2	6.5	6.2	4.7	5.2
18	---	---	---	10.7	6.9	9.0	7.2	5.1	6.0	---	---	---
19	---	---	---	9.2	6.7	7.9	7.6	5.0	6.2	---	---	---
20	---	---	---	7.1	5.7	6.4	8.6	4.3	6.7	---	---	---
21	---	---	---	6.9	5.0	6.2	7.7	5.1	6.5	---	---	---
22	---	---	---	7.1	5.7	6.4	7.6	4.5	6.1	5.4	4.8	5.1
23	---	---	---	7.3	5.9	6.5	6.2	3.9	5.1	5.7	4.2	5.1
24	---	---	---	7.7	6.0	6.9	5.6	2.7	4.1	6.0	4.6	5.6
25	---	---	---	8.1	6.5	7.4	6.0	2.1	3.9	6.6	5.1	5.9
26	---	---	---	8.9	6.7	7.8	5.4	2.7	3.9	6.4	4.2	5.4
27	---	---	---	8.7	6.6	7.6	6.7	2.8	3.6	5.7	3.8	4.8
28	---	---	---	9.0	6.7	7.9	5.0	2.7	3.8	5.5	3.6	4.8
29	---	---	---	8.5	7.0	7.6	7.0	4.4	5.9	5.0	4.1	4.7
30	---	---	---	7.6	6.6	7.0	6.1	4.0	5.4	4.8	3.3	3.9
31	---	---	---	6.7	5.7	6.3	6.7	4.0	5.7	---	---	---
MONTH	---	---	---	---	---	---	8.6	2.1	5.7	7.5	2.5	4.8

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	19.5	20.0	17.0	15.5	16.5	3.5	2.5	3.0	1.0	0.0	0.5
2	22.0	19.0	20.5	16.5	16.0	16.5	3.0	1.5	2.5	1.0	0.5	1.0
3	21.0	19.5	20.5	---	---	---	3.0	1.5	2.5	1.5	0.0	1.0
4	20.5	19.0	20.0	---	---	---	2.5	2.0	2.5	1.5	0.5	1.0
5	20.5	19.0	20.0	14.0	13.0	13.5	2.5	0.0	1.5	1.5	1.0	1.5
6	20.0	19.0	20.0	13.0	12.5	12.5	1.5	1.0	1.5	1.5	0.5	1.0
7	19.0	17.5	18.5	12.5	11.0	12.0	2.5	1.5	2.0	1.5	0.5	1.0
8	18.0	17.0	17.5	11.0	9.5	10.5	2.0	1.5	1.5	1.5	0.5	1.0
9	17.0	15.5	16.5	9.5	9.0	9.5	2.5	1.5	2.0	1.5	0.5	1.0
10	17.0	16.0	16.5	9.5	8.0	8.5	3.5	2.5	3.0	2.5	1.0	1.5
11	---	---	---	8.5	8.0	8.5	4.5	3.5	4.0	1.5	1.0	1.5
12	---	---	---	8.0	7.5	7.5	4.0	3.0	3.0	2.5	1.0	1.5
13	---	---	---	8.0	7.0	7.5	3.5	2.5	3.0	2.5	1.5	2.0
14	---	---	---	7.5	6.0	7.0	3.5	2.5	3.0	3.0	2.0	2.5
15	17.0	16.5	16.5	7.0	6.0	6.5	3.5	2.5	3.0	2.0	1.0	1.5
16	17.0	16.0	16.5	7.0	6.0	6.5	4.5	3.0	4.0	1.0	0.0	0.5
17	17.5	16.5	17.0	7.0	6.0	6.5	4.5	4.0	4.5	1.0	0.5	0.5
18	16.5	16.0	16.0	7.0	6.5	6.5	4.0	2.5	3.0	1.0	0.0	1.0
19	---	---	---	8.0	6.5	7.0	2.5	1.0	1.5	1.5	0.5	1.0
20	17.0	16.0	16.5	7.5	7.0	7.5	2.0	1.0	1.5	1.0	0.5	1.0
21	16.5	15.5	16.0	7.0	6.5	7.0	2.5	1.5	2.0	1.5	0.5	1.0
22	16.0	15.0	15.5	7.0	6.5	7.0	2.5	1.5	2.0	1.5	0.5	1.0
23	16.5	15.5	16.0	7.0	5.5	6.0	1.5	0.5	1.0	2.5	1.0	2.0
24	16.0	15.0	15.5	5.5	4.5	5.0	2.0	0.5	1.5	3.0	1.5	2.5
25	15.0	14.5	15.0	5.0	2.0	3.5	2.0	1.0	1.5	3.5	2.5	3.0
26	15.5	14.5	15.0	3.5	3.0	3.5	1.5	0.5	1.0	2.0	1.0	1.5
27	15.0	15.0	15.0	4.0	3.5	3.5	2.5	1.5	2.0	1.5	0.5	1.0
28	---	---	---	4.5	3.5	4.0	3.5	2.5	3.0	1.0	0.0	1.0
29	16.5	16.0	16.5	4.0	3.5	4.0	3.0	2.5	3.0	1.5	0.5	1.0
30	17.0	16.0	16.5	4.0	3.5	3.5	3.0	1.5	2.0	1.5	1.0	1.5
31	16.0	15.5	16.0	---	---	---	1.5	0.5	1.0	2.0	0.5	1.0
MONTH	22.0	14.5	17.0	17.0	2.0	8.0	4.5	0.0	2.5	3.5	0.0	1.0

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.0	1.0	1.5	4.0	2.0	3.0	5.0	3.0	4.0	---	---	---
2	1.5	1.0	1.5	3.5	2.5	3.0	5.5	4.0	5.0	---	---	---
3	1.5	1.0	1.0	2.5	1.0	2.0	4.0	3.0	3.5	---	---	---
4	1.5	1.0	1.5	1.5	0.5	1.0	4.0	2.5	3.5	---	---	---
5	1.5	1.0	1.0	1.5	1.0	1.0	3.5	2.0	3.0	---	---	---
6	1.0	0.0	0.5	2.0	0.5	1.0	4.5	3.5	4.0	---	---	---
7	1.5	0.5	1.0	2.5	0.5	1.5	4.5	4.0	4.0	---	---	---
8	1.5	0.5	1.0	3.0	2.0	2.5	4.5	3.5	4.0	---	---	---
9	2.0	0.5	1.0	3.0	1.0	2.0	5.5	4.0	5.0	---	---	---
10	2.0	1.0	1.5	2.5	1.0	2.0	6.0	5.0	5.5	---	---	---
11	2.0	0.0	1.5	2.0	1.0	1.5	6.0	5.0	5.5	---	---	---
12	1.5	1.0	1.0	2.5	1.5	2.0	6.5	5.0	6.0	---	---	---
13	1.5	1.0	1.5	3.0	2.0	2.5	6.5	5.5	6.0	---	---	---
14	2.0	1.0	1.5	3.0	1.5	2.0	5.5	4.0	5.0	---	---	---
15	2.0	0.5	1.5	1.5	1.0	1.0	5.5	4.0	5.0	---	---	---
16	2.5	1.0	1.5	3.5	1.0	2.5	6.0	4.0	5.0	---	---	---
17	1.5	1.0	1.0	3.0	2.0	3.0	7.0	6.0	6.5	---	---	---
18	2.0	1.0	1.5	2.5	1.5	2.0	6.5	5.5	6.0	---	---	---
19	1.5	0.0	1.0	2.5	1.5	2.0	---	---	---	---	---	---
20	1.5	0.5	1.0	2.5	2.0	2.5	---	---	---	---	---	---
21	1.0	0.5	0.5	3.5	2.0	3.0	---	---	---	---	---	---
22	1.5	0.5	1.0	4.5	3.0	3.5	---	---	---	---	---	---
23	1.5	0.5	1.0	3.5	2.5	3.0	---	---	---	---	---	---
24	1.5	0.5	1.0	3.0	2.5	2.5	---	---	---	17.5	16.0	17.0
25	2.5	1.0	1.5	2.5	2.0	2.5	---	---	---	17.5	16.5	17.0
26	1.5	1.0	1.0	3.0	2.0	2.5	---	---	---	17.5	16.5	17.0
27	2.0	0.5	1.5	3.0	2.0	2.5	---	---	---	17.5	16.0	17.0
28	3.5	1.0	2.5	3.5	2.0	2.5	---	---	---	18.0	16.0	17.5
29	3.0	2.0	2.5	5.0	3.0	4.0	---	---	---	19.5	17.0	18.5
30	---	---	---	5.5	5.0	5.0	---	---	---	19.5	18.0	18.5
31	---	---	---	5.0	3.5	4.0	---	---	---	19.5	19.0	19.5
MONTH	3.5	0.0	1.5	5.5	0.5	2.5	---	---	---	---	---	---

01183750 CONNECTICUT RIVER AT AGAWAM, MASS.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	18.0	18.5	18.5	17.5	18.0	24.5	23.0	23.5	25.5	24.0	24.5
2	17.5	16.0	17.0	19.0	17.0	18.0	24.5	23.0	24.0	24.5	23.5	24.0
3	18.0	16.5	17.5	20.5	18.5	19.0	24.5	23.5	24.0	24.0	22.5	23.5
4	19.5	18.0	18.5	---	---	---	25.0	23.5	24.0	23.5	22.0	22.5
5	19.0	18.5	19.0	---	---	---	24.5	23.0	23.5	23.5	21.0	22.0
6	19.5	18.5	19.0	---	---	---	24.5	23.0	23.5	23.5	20.5	22.5
7	19.5	18.5	19.0	---	---	---	23.0	22.5	23.0	23.5	22.0	22.5
8	19.0	18.0	18.5	---	---	---	24.0	22.5	23.0	24.0	22.0	23.0
9	18.5	17.5	18.0	---	---	---	23.5	22.5	23.0	23.0	21.5	22.5
10	18.5	17.0	18.0	22.0	21.0	21.5	23.0	22.0	22.5	23.0	21.0	21.5
11	17.5	16.0	17.0	22.5	20.5	21.5	23.0	21.5	22.0	23.0	20.5	21.5
12	17.5	16.0	16.5	24.0	22.0	23.0	22.5	21.5	22.0	22.5	21.0	21.5
13	17.5	16.0	16.5	23.0	22.5	22.5	23.0	21.5	22.5	22.0	21.5	21.5
14	18.5	15.5	17.5	24.0	22.0	23.0	24.0	22.5	23.0	21.5	21.5	21.5
15	19.5	18.0	19.0	25.0	23.0	24.0	23.0	20.5	22.5	22.0	20.5	21.0
16	19.5	19.0	19.5	25.0	24.0	24.5	23.5	21.5	22.5	22.0	20.5	21.0
17	20.0	19.0	19.5	26.5	24.5	25.5	22.5	21.5	22.0	22.0	20.5	21.0
18	21.0	19.5	20.5	27.0	25.0	26.0	22.5	21.0	22.0	---	---	---
19	20.5	20.0	20.0	27.0	25.5	26.5	23.5	20.5	22.5	---	---	---
20	21.5	20.0	20.5	26.5	26.0	26.0	24.5	21.5	23.0	---	---	---
21	21.5	20.0	21.0	26.0	25.5	25.5	24.0	22.0	23.0	---	---	---
22	21.0	20.0	20.5	27.0	25.5	26.0	25.0	22.5	23.5	20.5	19.5	20.0
23	20.0	19.0	20.0	27.0	25.5	26.5	25.0	23.0	24.0	20.5	19.0	19.5
24	19.5	18.5	19.0	27.5	26.5	27.0	25.5	23.5	24.5	19.5	18.5	19.0
25	18.5	15.5	17.5	27.5	26.5	27.0	26.0	24.5	25.5	21.0	18.5	19.5
26	17.0	16.0	16.5	26.5	25.0	25.5	26.5	25.0	26.0	21.0	19.5	20.5
27	17.5	16.0	17.0	26.0	24.5	25.0	26.5	25.5	26.0	21.5	21.0	21.5
28	18.5	16.5	18.0	26.0	24.5	25.0	26.5	25.0	26.0	21.5	20.0	21.0
29	20.0	18.5	19.5	25.5	24.0	25.0	26.0	25.0	25.5	20.0	19.0	19.5
30	20.0	17.5	19.0	25.0	24.0	24.5	25.5	24.0	24.5	19.5	19.0	19.0
31	---	---	---	24.0	23.5	24.0	25.5	24.0	24.5	---	---	---
MONTH	21.5	15.5	18.5	27.5	17.0	24.0	26.5	20.5	23.5	25.5	18.5	21.5

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.
(International Hydrological Decade River Station and radiochemical program)

LOCATION.--Lat 41°59'14", long 72°36'21", Hartford County, at gaging station on canal of Connecticut Light and Power Co., 1 mile downstream from Thompsonville, and 3 miles downstream from Massachusetts-Connecticut State line, and at mile 68.2.

DRAINAGE AREA.--9,661 sq mi.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
14...	0855	2	7610	4.3	190	40	13	1.7	7.5	1.8	34	0
14...	0855	3	7610	--	--	--	--	--	--	--	--	--
NOV.												
11...	0945	2	6700	--	--	--	13	1.9	--	--	33	0
11...	0945	3	6700	--	--	--	--	--	--		--	--
DEC.												
09...	0925	2	14200	5.5	--	--	8.0	1.8	--	--	21	0
09...	0925	3	14200	--	--	--	--	--	--	--	--	--
JAN.												
13...	1020	2	14200	--	--	--	9.5	1.9	--	--	24	0
13...	1020	3	14200	--	--	--	--	--	--	--	--	--
FEB.												
10...	0915	2	8080	--	--	--	11	2.6	--	--	30	0
10...	0915	3	8080	--	--	--	--	--	--	--	--	--
MAR.												
09...	0940	2	13600	--	--	--	10	1.7	--	--	30	0
09...	0940	3	13600	--	--	--	--	--	--	--	--	--
APR.												
13...	0945	2	24000	--	--	--	10	1.5	6.9	1.1	24	0
13...	0945	3	24000	--	--	--	--	--	--	--	--	--
MAY												
11...	0930	2	63000	--	--	--	6.8	.9	--	--	15	0
11...	0930	3	63000	--	--	--	--	--	--	--	--	--
JUNE												
08...	0945	2	21200	--	--	--	10	1.1	--	--	26	0
08...	0945	3	21200	--	--	--	--	--	--	--	--	--
JULY												
13...	0935	2	17000	4.6	150	0	12	1.7	6.0	1.1	32	0
13...	0935	3	17000	--	--	--	--	--	--	--	--	--
AUG.												
17...	1000	2	4520	3.5	130	0	12	1.5	8.2	1.3	33	0
17...	1000	3	4520	--	--	--	--	--	--	--	--	--
SEP.												
14...	0830	2	4040	3.6	70	50	14	2.2	9.8	1.8	38	0
14...	0830	3	4040	--	--	--	--	--	--	--	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued
(International Hydrological Decade River Station and radiochemical program)

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956, January 1966 to September 1972.
Water temperatures: October 1955 to September 1956.

REMARKS.--Multiple-parameter monitor on right bank at Agawam, Mass. (sta 01183750).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_ SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.												
14...	12	14	.1	.070	.21	.12	.37	--	--	--	--	.40
14...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	15	11	--	--	--	.15	.46	--	--	--	--	.40
11...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
09...	14	12	--	--	.21	.070	.21	--	--	--	--	.30
09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
13...	13	12	--	--	--	.059	.18	--	--	--	--	.40
13...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
10...	15	15	--	--	--	.10	.32	--	--	--	--	.90
10...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
09...	12	18	--	--	--	.094	.29	--	--	--	--	.50
09...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
13...	13	12	--	--	--	.050	.15	--	--	--	--	.40
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
11...	4.0	4.6	--	--	--	.063	.19	--	--	--	--	.30
11...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	12	8.2	--	--	--	.058	.18	--	--	--	--	.40
08...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
13...	12	9.5	.1	--	--	.082	.25	.37	.48	.033	.11	.30
13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
17...	16	12	.1	--	--	.20	.61	2.6	3.3	.023	.08	.30
17...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
14...	16	13	.1	--	--	.17	.52	.50	.64	.062	.20	.30
14...	--	--	--	--	--	--	--	--	--	--	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS_ SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)
OCT.											
14...	1.7	--	.72	--	--	73	1500	.10	39	12	28
14...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
11...	1.7	--	.49	--	--	--	--	--	40	13	27
11...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
09...	1.3	--	.48	--	--	53	2030	.07	27	10	17
09...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
13...	1.7	--	.31	--	--	--	--	--	32	12	20
13...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
10...	3.9	--	.56	--	--	--	--	--	38	14	29
10...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
09...	2.2	--	.48	--	--	--	--	--	32	7	25
09...	--	--	--	--	--	--	--	--	--	--	--
APR.											
13...	1.7	--	.66	--	--	58	3760	.08	31	11	20
13...	--	--	--	--	--	--	--	--	--	--	--
MAY											
11...	1.3	--	.90	--	--	--	--	--	21	8	12
11...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
08...	1.7	--	.43	--	--	--	--	--	29	8	21
08...	--	--	--	--	--	--	--	--	--	--	--
JULY											
13...	1.3	.76	.59	1.4	--	66	3030	.09	37	11	26
13...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
17...	1.3	.89	.66	3.8	--	77	940	.10	36	9	27
17...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
14...	1.3	.86	.84	1.7	117	82	1280	.16	44	13	31
14...	--	--	--	--	--	--	--	--	--	--	--

DATE	SPECI- FIC CUND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	TEMP- ERATURE (DEG C)	AIR TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.											
14...	123	7.1	1	15.0	18.0	--	--	--	18	--	--
14...	124	7.1	--	15.0	18.0	7.0	69	--	--	160000	10000
NOV.											
11...	--	--	1	8.0	5.0	--	--	--	20	--	--
11...	118	7.7	--	8.0	5.0	8.4	70	--	--	380000	8800
DEC.											
09...	--	6.9	2	2.5	6.0	--	--	--	13	--	--
09...	105	7.5	--	2.5	6.0	11.5	84	--	--	26000	5200
JAN.											
13...	--	--	1	2.5	4.5	--	--	--	11	--	--
13...	122	7.6	--	2.5	4.5	8.3	61	--	--	7800	4000
FEB.											
10...	--	--	4	1.0	-3.0	--	--	--	14	--	--
10...	225	7.2	--	1.0	-3.0	9.5	67	--	--	40000	5000
MAR.											
09...	--	--	3	1.5	-1.0	--	--	--	13	--	--
09...	145	7.2	--	1.5	-1.0	12.1	86	--	--	58000	2600
APR.											
13...	100	6.6	2	6.0	3.0	--	--	--	12	--	--
13...	115	7.2	--	6.0	3.0	10.4	81	--	--	10000	2300
MAY											
11...	--	--	4	8.0	16.0	--	--	--	18	--	--
11...	72	7.2	--	8.0	16.0	10.5	88	--	--	2100	550
JUNE											
08...	--	--	2	17.5	17.5	--	--	--	8	--	--
08...	96	7.2	--	17.5	17.5	8.2	85	--	--	20000	1600
JULY											
13...	113	7.2	2	23.0	21.5	--	--	--	10	--	--
13...	118	7.6	--	23.0	21.5	8.0	92	--	--	2300	1700
AUG.											
17...	130	7.1	1	21.0	23.0	--	--	--	13	--	--
17...	124	6.4	--	21.0	23.0	7.1	79	--	--	17000	10000
SEP.											
14...	147	7.3	2	21.0	25.5	--	--	4.1	14	--	--
14...	148	6.5	--	21.0	25.5	4.2	47	--	--	40000	15000

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML)	CHLORO-PHYLL A (UG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	OIL AND GREASE (MG/L)	CYANIDE (CN) (MG/L)	TOTAL ACIDITY AS CACO3 (MG/L)	TOTAL ACIDITY AS H+ (MG/L)
OCT.											
14...	--	3.2	28	.5	--	.04	--	--	--	--	--
14...	1700	--	--	--	--	--	--	--	--	--	--
NOV.											
11...	--	1.3	--	--	--	.05	--	--	--	--	--
11...	3000	--	--	--	--	--	--	--	--	--	--
DEC.											
09...	--	1.5	--	--	--	.03	--	--	--	--	--
09...	2000	--	--	--	--	--	--	--	--	--	--
JAN.											
13...	--	3.9	--	--	--	.03	--	--	--	--	--
13...	3200	--	--	--	--	--	--	--	--	--	--
FEB.											
10...	--	1.3	--	--	--	.42	--	--	--	--	--
10...	2000	--	--	--	--	--	--	--	--	--	--
MAR.											
09...	--	6.6	--	--	--	.02	--	--	--	--	--
09...	8000	--	--	--	--	--	--	--	--	--	--
APR.											
13...	--	.7	32	.5	--	.05	--	--	--	--	--
13...	1400	--	--	--	--	--	--	--	--	--	--
MAY											
11...	--	.4	--	--	--	.02	--	--	--	--	--
11...	470	--	--	--	--	--	--	--	--	--	--
JUNE											
08...	--	2.6	--	--	--	.05	--	--	--	--	--
08...	350	--	--	--	--	--	--	--	--	--	--
JULY											
13...	--	1.2	25	.4	6	.02	--	--	--	--	--
13...	480	--	--	--	--	--	--	--	--	--	--
AUG.											
17...	--	14	32	.6	--	.05	--	--	--	--	--
17...	400	--	--	--	--	--	--	--	--	--	--
SEP.											
14...	--	36	32	.6	8	.04	15	50	.02	5	.1
14...	160	--	--	--	--	--	--	--	--	--	--

RADIOCHEMICAL ANALYSES WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
OCT.												
29...	.07	.05	<1.2	<.4	3.1	3.9	89	<.4	<.1	.7	.8	7
APR.												
13...	.11	.04	<.7	<.2	2.5	3.2	67	<.4	<.1	.7	.8	6

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.

LOCATION.--Lat 41°47'10", long 72°57", Hartford County, at gaging station on left bank, 1.2 miles north of Burlington, 3 miles upstream from mouth, and 3 miles southwest of Collinsville.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
13...	1110	2	8.0	8.7	180	50	3.0	1.2	4.4	1.0	9
13...	1110	3	8.0	--	--	--	--	--	--	--	--
NOV.											
10...	1220	2	6.3	10	210	30	3.0	1.5	5.0	.8	9
10...	1220	3	6.3	--	--	--	--	--	--	--	--
JAN.											
12...	1145	2	17	--	--	--	--	--	--	--	8
12...	1145	3	17	--	--	--	--	--	--	--	--
FEB.											
09...	1200	2	5.8	--	--	--	--	--	--	--	8
09...	1200	3	5.8	--	--	--	--	--	--	--	--
MAR.											
08...	1130	2	23	--	--	--	--	--	--	--	6
08...	1130	3	23	--	--	--	--	--	--	--	--
APR.											
12...	1245	2	10	--	--	--	--	--	--	--	6
12...	1245	3	10	--	--	--	--	--	--	--	--
MAY											
10...	1215	2	12	--	--	--	--	--	--	--	8
10...	1215	3	12	--	--	--	--	--	--	--	--
JUNE											
07...	1320	2	10	--	--	--	--	--	--	--	9
07...	1320	3	10	--	--	--	--	--	--	--	--
JULY											
12...	1200	2	7.4	9.3	280	60	3.1	1.7	5.4	.5	10
12...	1200	3	7.4	--	--	--	--	--	--	--	--
AUG.											
16...	1200	2	6.8	9.2	360	20	3.7	1.5	4.9	.9	9
16...	1200	3	6.8	--	--	--	--	--	--	--	--
SEP.											
13...	1215	2	1.9	11	150	0	4.5	1.7	7.1	.9	14
13...	1215	3	1.9	--	--	--	--	--	--	--	--

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

DRAINAGE AREA.--4.13 sq mi.

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1972.
Water temperatures: January 1971 to January 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
13...	0	6.0	6.6	.1	.020	.06	--	--	--	--	.20
13...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
10...	0	8.2	7.5	.1	.010	.03	--	--	--	--	.20
10...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
12...	0	9.0	8.0	--	.005	.02	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
09...	0	8.0	10	--	.005	.02	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
08...	0	8.2	10	--	.000	.00	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
APR.											
12...	0	8.0	8.5	--	.057	.17	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
MAY											
10...	0	7.9	7.5	--	.40	1.2	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
07...	0	7.2	7.4	--	.008	.02	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
JULY											
12...	0	8.0	9.0	.1	.034	.10	.20	.26	.005	.02	.30
12...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
16...	0	8.0	9.5	.1	.010	.03	.15	.19	.010	.03	.30
16...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
13...	0	6.4	13	.1	.014	.04	--	--	--	--	.20
13...	--	--	--	--	--	--	--	--	--	--	--

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
13...	.6	--	--	36	.78	.05	12	5	7	55	6.6
13...	--	--	--	--	--	--	--	--	--	55	6.4
NOV.											
10...	.8	--	--	41	.70	.06	14	6	7	62	6.6
10...	--	--	--	--	--	--	--	--	--	61	7.6
JAN.											
12...	--	--	--	--	--	--	15	8	7	--	--
12...	--	--	--	--	--	--	--	--	--	76	7.9
FEB.											
09...	--	--	--	--	--	--	15	8	7	--	--
09...	--	--	--	--	--	--	--	--	--	78	7.5
MAR.											
08...	--	--	--	--	--	--	29	24	5	--	--
08...	--	--	--	--	--	--	--	--	--	205	6.7
APR.											
12...	--	--	--	--	--	--	12	7	5	--	6.1
12...	--	--	--	--	--	--	--	--	--	65	7.0
MAY											
10...	--	--	--	--	--	--	12	5	7	--	--
10...	--	--	--	--	--	--	--	--	--	66	7.4
JUNE											
07...	--	--	--	--	--	--	14	7	7	--	--
07...	--	--	--	--	--	--	--	--	--	--	7.2
JULY											
12...	1.3	.74	1.2	44	.88	.06	15	7	8	65	6.0
12...	--	--	--	--	--	--	--	--	--	71	7.5
AUG.											
16...	1.3	--	--	44	.81	.06	15	8	7	63	6.7
16...	--	--	--	--	--	--	--	--	--	70	6.8
SEP.											
13...	.8	--	--	--	--	--	18	7	11	86	7.2
13...	--	--	--	--	--	--	--	--	--	100	6.6

TEMPERATURE (°C) OF WATER, OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.5	13.5	14.0	11.5	1.5	1.0	0.5	0.5	---	---	---	---
2	16.5	14.0	16.0	14.0	1.0	0.0	1.0	0.5	---	---	---	---
3	16.5	15.0	15.5	12.5	1.0	0.0	1.5	1.0	---	---	---	---
4	15.5	14.0	12.5	8.0	1.5	0.0	2.0	1.0	---	---	---	---
5	16.5	14.5	8.5	6.0	1.0	0.0	2.0	0.5	---	---	---	---
6	15.0	14.0	8.5	5.0	1.0	0.0	---	---	---	---	---	---
7	14.0	11.5	9.0	5.5	1.5	0.5	---	---	---	---	---	---
8	13.0	9.0	6.0	3.5	2.0	1.0	---	---	---	---	---	---
9	11.5	9.0	4.0	1.5	3.0	2.0	---	---	---	---	---	---
10	14.5	11.0	5.5	3.5	4.5	3.0	---	---	---	---	---	---
11	14.5	12.0	---	---	6.0	4.0	---	---	---	---	---	---
12	13.5	11.0	---	---	4.5	2.5	---	---	---	---	---	---
13	12.5	9.5	---	---	5.0	3.5	---	---	---	---	---	---
14	14.0	12.0	---	---	3.5	2.5	---	---	---	---	---	---
15	12.5	10.0	---	---	3.5	3.0	---	---	---	---	---	---
16	14.0	11.0	---	---	5.5	3.5	---	---	---	---	---	---
17	14.0	11.5	---	---	5.0	4.0	---	---	---	---	---	---
18	12.5	10.0	---	---	4.0	1.0	---	---	---	---	---	---
19	12.5	8.5	8.0	5.0	1.0	0.5	---	---	---	---	---	---
20	13.0	10.5	8.0	5.0	2.0	1.0	---	---	---	---	---	---
21	13.0	9.0	5.0	4.5	3.5	1.5	---	---	---	---	---	---
22	11.5	8.5	4.0	3.5	3.5	0.5	---	---	---	---	---	---
23	14.5	11.5	3.5	1.0	1.0	0.5	---	---	---	---	---	---
24	13.0	11.0	1.5	0.5	3.0	1.0	---	---	---	---	---	---
25	12.5	11.0	1.5	0.0	3.0	1.0	---	---	---	---	---	---
26	15.0	12.0	1.0	0.0	3.5	1.0	---	---	---	---	---	---
27	14.5	12.0	2.5	0.5	3.5	2.0	---	---	---	---	---	---
28	16.0	14.0	3.0	1.0	5.0	3.5	---	---	---	---	---	---
29	14.5	11.5	3.0	1.0	4.0	3.0	---	---	---	---	---	---
30	13.5	10.0	2.5	0.5	3.0	1.5	---	---	---	---	---	---
31	11.5	10.5	---	---	2.5	0.5	---	---	---	---	---	---
MONTH	16.5	8.5	---	---	6.0	0.0	---	---	---	---	---	---

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	COLOR (PLAT-INUM-COBALT UNITS)
OCT.											
13...	1	9.0	14.5	--	--	--	--	--	41	.5	--
13...	--	9.0	14.5	10.1	87	96	30	140	--	--	--
NOV.											
10...	1	5.0	4.0	--	--	--	--	--	43	.6	15
10...	--	5.0	4.0	10.1	79	58	19	46	--	--	--
JAN.											
12...	1	2.5	7.0	--	--	--	--	--	--	--	--
12...	--	2.5	7.0	9.8	71	8	3	48	--	--	--
FEB.											
09...	1	1.0	-3.0	--	--	--	--	--	--	--	--
09...	--	1.0	-3.0	9.5	67	65	0	4	--	--	--
MAR.											
08...	3	2.0	5.0	--	--	--	--	--	--	--	--
08...	--	2.0	5.0	9.7	70	500	9	50	--	--	--
APR.											
12...	1	6.0	11.0	--	--	--	--	--	--	--	--
12...	--	6.0	11.0	8.4	67	2	0	1	--	--	--
MAY											
10...	1	8.0	9.0	--	--	--	--	--	--	--	--
10...	--	8.0	9.0	10.0	84	1700	25	4	--	--	--
JUNE											
07...	1	16.0	19.0	--	--	--	--	--	--	--	--
07...	--	16.0	19.0	8.1	82	100	33	21	--	--	--
JULY											
12...	2	18.0	30.0	--	--	--	--	--	43	.6	--
12...	--	18.0	30.0	8.0	84	100	6	480	--	--	--
AUG.											
16...	3	14.0	20.5	--	--	--	--	--	39	.5	--
16...	--	14.0	20.5	8.3	80	980	100	660	--	--	--
SEP.											
13...	1	13.5	20.0	--	--	--	--	--	44	.7	--
13...	--	13.5	20.0	8.9	83	3000	96	130	--	--	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

01189000 PEQUABUCK RIVER AT FORESTVILLE, CONN.

LOCATION.--Lat 41°40'23", long 72°54'04", Hartford County, at gaging station on left bank 500 ft upstream from bridge on Central Street, a quarter of mile downstream from Copper Mine Brook, and 6.5 miles upstream from mouth.

DRAINAGE AREA.--45.4 sq mi.

PERIOD OF RECORD.--Chemical analyses: January 1971 to January 1972 (discontinued).
Water temperatures: January 1971 to January 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 13...	0830	2	53	8.6	260	150	11	2.8	16	2.8	30	0
NOV. 10...	0915	2	50	10	--	--	11	3.0	15	2.3	24	0
DEC. 07...	1150	2	318	6.5	130	60	6.0	1.8	9.2	3.0	14	0

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA (NH4) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRITE (NO2) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
OCT. 13...	24	19	.6	.39	1.2	.88	1.1	--	--	1.2	5.3	107
NOV. 10...	25	18	.4	.35	1.0	.64	.83	.720	2.3	1.2	5.3	106
DEC. 07...	13	13	.1	.090	.20	--	--	--	--	.60	2.6	62

DATE	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	COLOR (PLATINUM-COBALT UNITS)
OCT. 13...	15.3	.15	39	14	25	182	6.9	--	45	1.1	15
NOV. 10...	14.3	.14	40	20	20	176	6.6	--	43	1.0	15
DEC. 07...	53.2	.08	22	11	11	85	6.9	3.5	43	.8	3

01189000 PEQUABUCK RIVER AT FORESTVILLE, CONN.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	1000	260	205	125	---	---	180	170	---	---	---	---
2	290	260	260	70	---	---	[illegible]	160	---	---	---	---
3	270	250	145	60	245	225	[illegible]	165	---	---	---	---
4	300	240	---	---	240	230	370	170	---	---	---	---
5	300	255	160	125	230	220	360	150	---	---	---	---
6	310	260	125	100	1200	220	---	---	---	---	---	---
7	310	210	100	90	390	180	---	---	---	---	---	---
8	270	230	130	95	240	160	---	---	---	---	---	---
9	290	210	140	120	160	105	---	---	---	---	---	---
10	---	---	180	140	110	110	---	---	---	---	---	---
11	---	---	205	180	110	95	---	---	---	---	---	---
12	---	---	190	175	100	95	---	---	---	---	---	---
13	170	160	190	180	125	100	---	---	---	---	---	---
14	180	170	180	155	690	120	---	---	---	---	---	---
15	175	160	175	160	400	140	---	---	---	---	---	---
16	180	160	175	160	140	125	---	---	---	---	---	---
17	160	140	160	150	140	125	---	---	---	---	---	---
18	200	145	220	160	140	130	---	---	---	---	---	---
19	205	170	225	220	140	130	---	---	---	---	---	---
20	210	170	220	220	500	135	---	---	---	---	---	---
21	215	185	220	205	240	180	---	---	---	---	---	---
22	210	180	220	210	180	195	---	---	---	---	---	---
23	210	195	220	160	170	155	---	---	---	---	---	---
24	195	80	200	160	175	170	---	---	---	---	---	---
25	160	70	180	100	270	140	---	---	---	---	---	---
26	170	160	270	130	140	125	---	---	---	---	---	---
27	170	150	230	130	175	140	---	---	---	---	---	---
28	215	170	---	---	175	155	---	---	---	---	---	---
29	345	190	---	---	165	140	---	---	---	---	---	---
30	270	190	---	---	1370	155	---	---	---	---	---	---
31	200	170	---	---	340	180	---	---	---	---	---	---
MONTH	1000	70	270	60	1370	95	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	20.5	14.5	16.5	14.0	4.0	3.0	1.5	0.5	---	---	---	---
2	21.0	19.5	18.5	16.0	3.5	3.0	3.0	1.5	---	---	---	---
3	19.0	15.5	17.5	14.0	4.0	2.5	4.5	1.5	---	---	---	---
4	19.0	14.0	14.0	11.0	4.0	3.5	4.0	2.0	---	---	---	---
5	---	---	11.5	8.5	3.5	2.0	4.0	---	---	---	---	---
6	---	---	14.0	7.0	3.5	2.0	---	---	---	---	---	---
7	17.5	---	11.0	7.0	4.0	3.0	---	---	---	---	---	---
8	17.5	11.5	8.0	5.0	4.0	3.5	---	---	---	---	---	---
9	15.0	11.5	7.5	3.5	6.0	4.0	---	---	---	---	---	---
10	15.0	13.5	8.0	5.5	6.5	4.0	---	---	---	---	---	---
11	16.5	12.5	8.0	5.5	8.5	5.5	---	---	---	---	---	---
12	16.5	11.5	8.0	5.5	5.5	4.0	---	---	---	---	---	---
13	16.5	10.5	8.5	6.0	6.5	5.5	---	---	---	---	---	---
14	19.0	13.5	7.0	4.0	5.5	4.5	---	---	---	---	---	---
15	18.5	15.0	5.5	4.5	5.5	5.0	---	---	---	---	---	---
16	19.0	14.5	9.0	6.0	7.5	5.5	---	---	---	---	---	---
17	18.0	13.5	9.0	5.5	7.5	6.0	---	---	---	---	---	---
18	16.0	11.0	10.0	8.0	6.0	3.5	---	---	---	---	---	---
19	16.5	11.0	11.0	7.0	3.5	1.5	---	---	---	---	---	---
20	17.0	13.0	10.5	8.0	4.0	3.0	---	---	---	---	---	---
21	17.0	13.0	9.0	7.5	5.5	4.0	---	---	---	---	---	---
22	15.5	11.5	8.5	6.0	5.5	2.5	---	---	---	---	---	---
23	18.0	16.0	6.5	4.0	3.5	1.5	---	---	---	---	---	---
24	19.5	13.0	5.5	3.5	5.5	3.5	---	---	---	---	---	---
25	16.0	13.0	4.0	1.0	5.5	3.5	---	---	---	---	---	---
26	17.0	14.0	4.5	2.5	5.0	3.0	---	---	---	---	---	---
27	16.5	14.5	5.5	4.0	6.0	4.5	---	---	---	---	---	---
28	20.0	16.0	5.0	4.0	7.5	5.5	---	---	---	---	---	---
29	18.5	14.5	5.0	2.5	6.5	4.5	---	---	---	---	---	---
30	19.5	13.0	4.5	3.0	6.5	3.0	---	---	---	---	---	---
31	16.5	13.5	---	---	3.5	1.0	---	---	---	---	---	---
MONTH	21.0	10.5	18.5	1.0	8.5	1.0	---	---	---	---	---	---

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.

LOCATION.--Lat 41°54'30", long 72°45'40", Hartford County, at gaging station on right bank at Tariffville, behind house at 20 Tunxis Road, 0.3 mile downstream from bridge on State Highway 189 and 5.5 miles upstream from gage at Rainbow.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
13...	1330	2	1100	5.9	240	50	9.0	2.0	6.2	1.5	20	0
13...	1330	3	1100	--	--	--	--	--	--	--	--	--
NOV.												
10...	1440	2	720	6.9	--	--	9.5	2.3	7.8	1.4	23	0
10...	1440	3	720	--	--	--	--	--	--	--	--	--
DEC.												
07...	1555	2	1320	7.3	190	30	9.0	2.1	9.2	1.2	22	0
07...	1555	3	1320	--	--	--	--	--	--	--	--	--
JAN.												
12...	1400	2	1000	--	--	--	--	--	--	--	18	0
12...	1400	3	1000	--	--	--	--	--	--	--	--	--
FEB.												
09...	1410	2	960	--	--	--	--	--	--	--	20	0
09...	1410	3	960	--	--	--	--	--	--	--	--	--
MAR.												
08...	1315	2	1970	--	--	--	--	--	--	--	15	0
08...	1315	3	1970	--	--	--	--	--	--	--	--	--
APR.												
12...	1425	2	1570	--	--	--	--	--	--	--	15	0
12...	1425	3	1570	--	--	--	--	--	--	--	--	--
MAY												
10...	1410	2	2400	--	--	--	--	--	--	--	16	0
10...	1410	3	2400	--	--	--	--	--	--	--	--	--
JUNE												
07...	1450	2	2650	--	--	--	--	--	--	--	16	0
07...	1450	3	2650	--	--	--	--	--	--	--	--	--
JULY												
12...	1345	2	3400	5.6	200	30	7.0	1.5	5.7	.9	16	0
12...	1345	3	3400	--	--	--	--	--	--	--	--	--
AUG.												
16...	1420	2	1050	5.9	160	90	8.9	1.8	6.6	1.4	20	0
16...	1420	3	1050	--	--	--	--	--	--	--	--	--
SEP.												
13...	1430	2	700	5.6	160	60	9.5	1.9	7.1	1.2	22	0
13...	1430	3	700	--	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	100	100	110	105	95	90	135	125	---	---	---	---
2	100	100	105	105	90	90	110	105	---	---	---	---
3	100	100	110	105	90	90	125	105	---	---	---	---
4	100	100	105	100	95	90	125	125	---	---	---	---
5	100	100	100	100	100	95	130	125	---	---	---	---
6	100	100	100	100	120	120	---	---	---	---	---	---
7	100	100	105	100	105	100	---	---	---	---	---	---
8	100	95	105	105	115	105	---	---	---	---	---	---
9	95	95	100	100	105	105	---	---	---	---	---	---
10	90	90	100	100	105	95	---	---	---	---	---	---
11	90	85	100	100	90	90	---	---	---	---	---	---
12	85	85	100	100	95	90	---	---	---	---	---	---
13	85	85	100	100	90	90	---	---	---	---	---	---
14	85	85	100	95	90	90	---	---	---	---	---	---
15	85	85	95	95	95	90	---	---	---	---	---	---
16	90	85	100	95	105	95	---	---	---	---	---	---
17	95	90	95	95	110	105	---	---	---	---	---	---
18	100	95	100	95	110	110	---	---	---	---	---	---
19	110	100	105	100	115	110	---	---	---	---	---	---
20	110	110	110	105	120	115	---	---	---	---	---	---
21	115	110	120	110	125	120	---	---	---	---	---	---
22	115	110	120	120	130	120	---	---	---	---	---	---
23	110	105	125	120	130	125	---	---	---	---	---	---
24	105	105	125	125	125	125	---	---	---	---	---	---
25	105	105	125	120	125	120	---	---	---	---	---	---
26	110	105	120	115	115	115	---	---	---	---	---	---
27	115	110	115	110	115	110	---	---	---	---	---	---
28	110	110	110	105	105	100	---	---	---	---	---	---
29	110	110	105	100	100	100	---	---	---	---	---	---
30	115	105	100	100	105	100	---	---	---	---	---	---
31	105	105	---	---	105	105	---	---	---	---	---	---
MONTH	115	85	125	95	130	90	---	---	---	---	---	---

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.--Continued

DRAINAGE AREA.--971 sq mi.

PERIOD OF RECORD.--Chemical analyses: January 1971 to January 1972.
Water temperatures: January 1971 to January 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS. SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS. SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.												
13...	11	10	.1	.18	.55	.18	.55	--	--	--	--	.90
13...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	13	12	.2	.20	.61	.20	.71	--	--	--	--	.90
10...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	13	16	.2	--	--	.12	.37	--	--	--	--	.60
07...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	13	16	--	--	--	.085	.26	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
09...	15	24	--	--	--	.33	1.0	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
08...	13	16	--	--	--	.068	.21	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
12...	13	12	--	--	--	.076	.23	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
10...	12	9.3	--	--	--	.88	2.7	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
07...	11	8.0	--	--	--	.088	.27	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
12...	11	9.1	.1	--	--	.10	.31	.15	.19	.125	.41	1.5
12...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
16...	11	11	.1	--	--	.18	.55	.23	.30	.022	.07	.70
16...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
13...	12	11	.2	--	--	.29	.89	.12	.15	.109	.36	.90
13...	--	--	--	--	--	--	--	--	--	--	--	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.5	19.0	16.5	15.5	3.5	3.0	1.5	0.5	---	---	---	---
2	19.5	18.5	15.0	14.5	3.0	2.5	1.0	0.5	---	---	---	---
3	19.0	18.5	15.0	14.0	2.5	1.5	1.0	1.0	---	---	---	---
4	19.5	19.0	14.0	12.5	1.5	1.5	1.5	1.0	---	---	---	---
5	19.0	18.5	12.5	11.0	1.5	1.0	1.5	1.5	---	---	---	---
6	19.0	18.5	11.0	10.5	1.0	1.0	---	---	---	---	---	---
7	18.5	17.0	10.5	9.0	2.5	1.0	---	---	---	---	---	---
8	17.5	16.0	9.0	8.0	2.5	2.0	---	---	---	---	---	---
9	16.0	15.5	9.0	6.5	3.0	2.0	---	---	---	---	---	---
10	15.5	15.0	8.5	6.5	4.0	3.0	---	---	---	---	---	---
11	16.0	15.5	6.5	5.5	4.5	4.0	---	---	---	---	---	---
12	16.0	15.5	5.5	5.5	4.5	4.0	---	---	---	---	---	---
13	16.0	15.5	6.0	5.5	4.5	4.0	---	---	---	---	---	---
14	15.5	15.0	5.5	5.0	4.0	3.5	---	---	---	---	---	---
15	15.5	15.0	5.0	4.5	3.5	3.5	---	---	---	---	---	---
16	16.0	15.5	5.0	4.5	4.0	3.5	---	---	---	---	---	---
17	16.0	15.5	5.0	5.0	4.0	4.0	---	---	---	---	---	---
18	15.5	15.0	5.0	4.5	4.0	3.0	---	---	---	---	---	---
19	15.0	14.5	5.5	5.0	3.5	1.5	---	---	---	---	---	---
20	15.0	14.5	6.0	5.5	1.5	1.5	---	---	---	---	---	---
21	15.0	13.5	6.0	5.0	2.0	1.5	---	---	---	---	---	---
22	13.5	13.0	5.5	5.0	2.0	1.5	---	---	---	---	---	---
23	14.5	13.5	5.0	4.5	1.5	1.0	---	---	---	---	---	---
24	14.0	13.5	4.5	3.5	2.0	1.5	---	---	---	---	---	---
25	13.5	13.5	3.5	1.5	2.0	1.5	---	---	---	---	---	---
26	14.0	13.0	1.5	1.0	2.0	1.5	---	---	---	---	---	---
27	14.5	14.0	2.0	1.0	2.5	2.0	---	---	---	---	---	---
28	15.0	14.5	3.0	2.0	3.5	3.0	---	---	---	---	---	---
29	15.0	14.5	3.0	3.0	3.5	3.0	---	---	---	---	---	---
30	14.5	14.5	3.5	3.0	3.5	2.0	---	---	---	---	---	---
31	14.5	14.0	---	---	2.0	1.5	---	---	---	---	---	---
MONTH	19.5	13.0	16.5	1.0	4.5	1.0	---	---	---	---	---	---

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.--Continued

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.												
13...	2.2	--	--	58	172	.08	31	16	16	100	6.8	1
13...	--	--	--	--	--	--	--	--	--	98	7.2	--
NOV.												
10...	3.0	--	--	68	132	.09	33	14	19	117	6.7	1
10...	--	--	--	--	--	--	--	--	--	112	7.1	--
DEC.												
07...	2.6	--	--	70	269	.10	31	13	18	121	6.8	4
07...	--	--	--	--	--	--	--	--	--	136	7.4	--
JAN.												
12...	--	--	--	--	--	--	28	13	15	--	--	2
12...	--	--	--	--	--	--	--	--	--	125	7.7	--
FEB.												
09...	--	--	--	--	--	--	37	18	19	--	--	2
09...	--	--	--	--	--	--	--	--	--	185	7.4	--
MAR.												
08...	--	--	--	--	--	--	50	38	12	--	--	2
08...	--	--	--	--	--	--	--	--	--	135	7.6	--
APR.												
12...	--	--	--	--	--	--	27	15	12	--	6.9	1
12...	--	--	--	--	--	--	--	--	--	116	7.2	--
MAY												
10...	--	--	--	--	--	--	25	12	13	--	--	1
10...	--	--	--	--	--	--	--	--	--	99	7.6	--
JUNE												
07...	--	--	--	--	--	--	24	11	13	--	--	1
07...	--	--	--	--	--	--	--	--	--	95	7.1	--
JULY												
12...	6.6	.40	2.1	55	514	.08	24	12	11	86	6.8	1
12...	--	--	--	--	--	--	--	--	--	96	7.9	--
AUG.												
16...	3.0	.05	1.0	61	173	.08	30	13	16	104	6.8	1
16...	--	--	--	--	--	--	--	--	--	108	6.3	--
SEP.												
13...	3.9	.60	1.0	65	123	.09	32	13	18	109	7.0	1
13...	--	--	--	--	--	--	--	--	--	106	6.6	--

DATE	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)	COLOR (PLAT-INUM-COBALT UNITS)
OCT.											
13...	13.0	17.5	--	--	--	--	--	29	.5	--	25
13...	13.0	17.5	7.6	72	3300	2500	780	--	--	--	--
NOV.											
10...	6.5	9.5	--	--	--	--	--	33	.6	--	20
10...	6.5	9.5	10.5	85	34000	3800	2200	--	--	--	--
DEC.											
07...	3.0	5.0	--	--	--	--	--	30	.7	--	2
07...	3.0	5.0	10.7	79	22000	4000	2500	--	--	--	--
JAN.											
12...	3.0	10.0	--	--	--	--	--	--	--	--	--
12...	3.0	10.0	9.0	67	5000	2800	1100	--	--	--	--
FEB.											
09...	1.0	.5	--	--	--	--	--	--	--	--	--
09...	1.0	.5	11.5	82	35000	1900	2500	--	--	--	--
MAR.											
08...	2.5	1.0	--	--	--	--	--	--	--	--	--
08...	2.5	1.0	11.5	84	19000	2300	5000	--	--	--	--
APR.											
12...	6.0	14.0	--	--	--	--	--	--	--	--	--
12...	6.0	14.0	9.2	76	10000	1400	1100	--	--	--	--
MAY											
10...	9.0	12.5	--	--	--	--	--	--	--	--	--
10...	9.0	12.5	9.0	78	3500	1600	600	--	--	--	--
JUNE											
07...	16.0	20.0	--	--	--	--	--	--	--	--	--
07...	16.0	20.0	8.0	81	1200	350	330	--	--	--	--
JULY											
12...	20.0	32.0	--	--	--	--	--	33	.5	0	--
12...	20.0	32.0	8.2	89	1300	200	1000	--	--	--	--
AUG.											
16...	18.5	26.5	--	--	--	--	--	31	.5	--	--
16...	18.5	26.0	8.6	89	2700	1200	1300	--	--	--	--
SEP.											
13...	18.0	22.0	--	--	--	--	--	32	.6	--	--
13...	18.0	22.0	8.3	87	320	220	120	--	--	--	--

01189998 RAINBOW RESERVOIR AT RAINBOW, CONN.

LOCATION.--Lat 41°54'55", long 72°41'38", Hartford County, at hydroelectric plant at dam of Farmington River Power Company, at Rainbow, 0.4 mile upstream from gaging station, on the Farmington River, and 6.0 miles downstream from Salmon Brook.

DRAINAGE AREA.--582 sq mi.

PERIOD OF RECORD.--Water temperatures: October 1957 to September 1972.

EXTREMES.--1971-72:
Water temperatures: Maximum, 27.0°C Aug. 27; minimum, 1.5°C Feb. 15, 26.

Period of record:
Water temperatures: Maximum, 28.0°C July 2, 1958, July 29, 1963, and July 30, 1970; minimum, freezing point on many days turing winter months.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.0	15.5	4.5	3.5	3.0	3.5	8.0	10.0	19.0	20.0	20.0	20.0
2	18.0	15.5	3.5	3.5	2.0	4.5	9.0	11.0	18.0	23.5	21.5	21.0
3	19.0	15.5	3.5	3.5	3.0	4.5	8.0	11.0	18.0	23.5	21.5	23.0
4	18.5	15.5	3.5	3.5	2.0	3.5	8.0	12.0	20.0	21.0	22.0	20.0
5	18.0	15.5	3.0	3.5	2.0	3.0	5.5	11.5	19.0	18.0	16.5	16.0
6	18.0	14.0	3.5	2.0	3.0	3.0	6.5	11.5	18.5	18.0	17.0	20.0
7	18.0	14.5	3.5	2.0	2.0	3.0	7.0	13.5	18.0	18.0	20.5	18.0
8	17.0	12.0	3.5	2.0	2.0	3.5	5.5	13.5	16.5	19.0	23.5	20.0
9	16.5	10.0	3.5	2.0	2.0	4.5	7.0	11.5	16.5	18.0	21.0	20.5
10	15.5	10.0	3.5	2.0	2.0	3.5	8.0	11.0	16.5	20.5	23.5	15.5
11	15.0	9.5	4.5	3.0	2.0	3.5	8.0	10.0	16.5	22.0	24.0	16.5
12	14.5	9.0	5.5	3.0	2.0	4.0	8.0	11.0	15.5	22.0	23.0	16.0
13	14.5	8.0	6.0	3.5	2.0	3.5	9.0	12.0	16.0	22.0	21.5	18.5
14	14.5	8.0	5.5	3.5	2.0	4.5	9.0	15.5	16.5	24.5	21.5	21.0
15	15.0	6.5	5.5	4.0	1.5	4.5	8.0	14.5	16.5	24.5	19.0	19.0
16	15.5	6.5	6.0	4.5	2.0	4.0	9.0	14.5	18.0	25.5	16.5	15.5
17	16.5	6.5	6.5	3.5	3.0	4.0	9.0	15.5	19.0	25.5	18.5	19.5
18	15.0	6.5	6.5	2.0	3.5	4.5	9.5	15.5	19.5	26.0	19.0	21.5
19	15.5	6.5	5.0	2.0	3.5	4.5	9.5	16.0	20.0	26.0	22.0	22.0
20	15.5	6.5	4.0	2.0	4.0	4.5	10.0	16.5	19.5	23.5	20.5	16.5
21	15.5	6.5	3.5	2.0	3.5	4.5	8.0	16.5	19.0	24.5	18.0	16.5
22	15.0	6.5	2.0	2.0	2.0	4.5	9.0	17.0	23.5	25.0	17.0	15.5
23	14.5	6.5	3.0	2.0	2.0	5.0	9.5	16.5	21.0	25.5	20.5	13.5
24	15.0	6.5	3.0	3.5	2.0	4.5	9.5	16.5	18.0	25.5	24.0	14.0
25	14.5	6.5	2.0	4.5	2.0	4.5	10.0	16.5	18.5	25.5	26.0	20.5
26	14.5	5.5	4.0	4.5	1.5	4.5	9.0	16.5	18.0	25.5	26.5	20.0
27	15.0	5.0	3.5	3.5	2.0	4.5	9.0	17.0	18.5	25.5	27.0	19.5
28	15.5	4.0	4.5	3.5	3.5	4.5	8.0	17.0	19.5	20.0	26.0	15.5
29	15.5	4.0	4.5	3.5	3.0	5.5	9.0	18.5	22.0	19.0	21.0	19.0
30	15.5	5.0	4.5	3.5	---	8.0	10.0	18.5	20.0	19.0	21.0	21.0
31	16.0	---	4.5	2.0	---	8.0	---	19.5	---	20.0	20.0	---
MONTH	16.0	9.0	4.0	3.0	2.5	4.5	8.5	14.5	18.5	22.5	21.5	18.5

01192692 WILLOW BROOK AT NEW BRITAIN, CONN.

LOCATION.--Lat 41°39'09", long 72°47'06", Hartford County, in Hungerford Park, 300 feet south of Broad Street on southern edge of New Britain.

DRAINAGE AREA.--6.65 sq mi.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JAN.											
27...	0950	3	3.4	--	--	--	--	--	--	--	--
27...	1425	3	4.3	--	--	--	--	--	--	--	--
31...	1430	3	1.6	--	--	--	--	--	--	--	--
FEB.											
01...	1015	3	3.1	--	--	--	--	--	--	--	--
04...	1220	3	24	--	--	--	--	--	--	--	--
11...	1250	3	4.0	--	--	--	--	--	--	--	--
18...	1235	3	5.5	--	--	--	--	--	--	--	--
25...	1335	3	4.3	--	--	--	--	--	--	--	--
MAR.											
03...	1255	3	117	--	--	--	--	--	--	--	--
10...	1250	3	12	--	--	--	--	--	--	--	--
20...	1330	3	33	--	--	--	--	--	--	--	--
24...	1350	3	24	--	--	--	--	--	--	--	--
31...	1150	3	4.8	--	--	--	--	--	--	--	--
APR.											
07...	1315	3	3.7	--	--	--	--	--	--	--	--
14...	1300	3	7.0	--	--	--	--	--	--	--	--
25...	0930	2	10	--	--	--	--	--	--	--	--
25...	0930	3	10	--	--	--	--	--	--	--	--
25...	1100	3	7.0	--	--	--	--	--	--	--	--
MAY											
05...	1225	3	12	--	--	--	--	--	--	--	--
12...	1150	3	5.7	--	--	--	--	--	--	--	--
19...	1205	3	6.5	--	--	--	--	--	--	--	--
26...	1055	2	6.0	10	120	20	19	4.3	6.5	.6	50
26...	1055	3	6.0	--	--	--	--	--	--	--	--
JUNE											
02...	1200	3	16	--	--	--	--	--	--	--	--
09...	1345	3	--	--	--	--	--	--	--	--	--
16...	1130	3	2.3	--	--	--	--	--	--	--	--
22...	0815	3	7.5	--	--	--	--	--	--	--	--
30...	1240	3	158	--	--	--	--	--	--	--	--
JULY											
07...	1205	3	5.7	--	--	--	--	--	--	--	--
25...	0745	2	2.6	13	70	20	31	8.5	9.1	.8	89
25...	0745	3	2.6	--	--	--	--	--	--	--	--

01192692 WILLOW BROOK AT NEW BRITAIN, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: January to July 1972 (discontinued).
Water temperatures: January to July 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
JAN.											
27...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
01...	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
03...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
APR.											
07...	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	.016	.05	.43	.55	.011	.04	.90
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
MAY											
05...	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
26...	0	19	15	.3	--	--	--	--	--	--	.90
26...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
02...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--
JULY											
07...	--	--	--	--	--	--	--	--	--	--	--
25...	0	24	22	.1	.058	.18	.15	.19	.014	.05	1.7
25...	--	--	--	--	--	--	--	--	--	--	--

01192692 WILLOW BROOK AT NEW BRITAIN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS- SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)
JAN.										
27...	--	--	--	--	--	--	--	--	--	225
27...	--	--	--	--	--	--	--	--	--	235
31...	--	--	--	--	--	--	--	--	--	225
FEB.										
01...	--	--	--	--	--	--	--	--	--	260
04...	--	--	--	--	--	--	--	--	--	165
11...	--	--	--	--	--	--	--	--	--	233
18...	--	--	--	--	--	--	--	--	--	210
25...	--	--	--	--	--	--	--	--	--	345
MAR.										
03...	--	--	--	--	--	--	--	--	--	100
10...	--	--	--	--	--	--	--	--	--	165
20...	--	--	--	--	--	--	--	--	--	137
24...	--	--	--	--	--	--	--	--	--	155
31...	--	--	--	--	--	--	--	--	--	208
APR.										
07...	--	--	--	--	--	--	--	--	--	235
14...	--	--	--	--	--	--	--	--	--	200
25...	3.9	.64	1.9	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	185
25...	--	--	--	--	--	--	--	--	--	185
MAY										
05...	--	--	--	--	--	--	--	--	--	148
12...	--	--	--	--	--	--	--	--	--	235
19...	--	--	--	--	--	--	--	--	--	190
26...	3.9	--	--	--	--	--	65	24	41	184
26...	--	--	--	--	--	--	--	--	--	208
JUNE										
02...	--	--	--	--	--	--	--	--	--	192
09...	--	--	--	--	--	--	--	--	--	260
16...	--	--	--	--	--	--	--	--	--	265
22...	--	--	--	--	--	--	--	--	--	165
30...	--	--	--	--	--	--	--	--	--	102
JULY										
07...	--	--	--	--	--	--	--	--	--	228
25...	7.5	.44	2.3	161	1.13	.22	112	39	73	280
25...	--	--	--	--	--	--	--	--	--	275

01192692 WILLOW BROOK AT NEW BRITAIN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
JAN.										
27...	--	2.0	--	11.0	80	--	--	--	--	--
27...	--	3.0	--	10.8	80	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
FEB.										
01...	--	2.0	--	11.5	83	--	--	--	--	--
04...	--	3.0	--	10.5	78	--	--	--	--	--
11...	--	3.5	--	11.4	86	--	--	--	--	--
18...	--	4.5	--	11.1	85	--	--	--	--	--
25...	--	4.5	--	12.1	93	--	--	--	--	--
MAR.										
03...	--	1.5	--	14.0	100	--	--	--	--	--
10...	--	4.5	--	12.5	96	--	--	--	--	--
20...	--	4.5	--	13.2	102	--	--	--	--	--
24...	--	5.0	--	11.2	88	--	--	--	--	--
31...	--	5.5	--	12.2	96	--	--	--	--	--
APR.										
07...	--	4.0	--	13.5	102	--	--	--	--	--
14...	--	9.0	--	10.2	88	--	--	--	--	--
25...	--	8.5	--	--	--	--	--	--	--	--
25...	7.3	8.5	--	9.7	82	2100	440	260	--	--
25...	--	9.5	--	9.3	82	--	--	--	--	--
MAY										
05...	--	12.0	--	10.3	95	--	--	--	--	--
12...	--	13.5	--	9.2	88	--	--	--	--	--
19...	--	16.0	--	9.0	91	--	--	--	--	--
26...	7.4	14.0	--	--	--	--	--	--	10	.4
26...	--	14.0	--	8.2	79	--	--	--	--	--
JUNE										
02...	--	17.0	--	8.7	90	--	--	--	--	--
09...	--	19.5	--	--	--	--	--	--	--	--
16...	--	17.0	--	8.2	84	--	--	--	--	--
22...	--	17.0	--	8.8	91	--	--	--	--	--
30...	--	17.0	--	9.5	98	--	--	--	--	--
JULY										
07...	--	18.0	--	8.4	88	--	--	--	--	--
25...	8.0	17.0	25.0	9.6	99	--	--	--	15	.4
25...	7.1	17.0	25.0	9.6	99	--	--	--	--	--

01192692 WILLOW BROOK AT NEW BRITAIN, CONN.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	360	260	420	330
2	---	---	---	---	---	---	---	---	270	270	350	210
3	---	---	---	---	---	---	---	---	3000	190	210	100
4	---	---	---	---	---	---	---	---	190	165	170	110
5	---	---	---	---	---	---	---	---	---	---	230	170
6	---	---	---	---	---	---	---	---	---	---	230	170
7	---	---	---	---	---	---	---	---	---	---	170	170
8	---	---	---	---	---	---	---	---	---	---	170	165
9	---	---	---	---	---	---	---	---	---	---	165	165
10	---	---	---	---	---	---	---	---	---	---	165	165
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	270	170
17	---	---	---	---	---	---	---	---	---	---	270	135
18	---	---	---	---	---	---	---	---	---	---	135	60
19	---	---	---	---	---	---	---	---	---	---	100	60
20	---	---	---	---	---	---	---	---	---	---	140	100
21	---	---	---	---	---	---	---	---	---	---	125	125
22	---	---	---	---	---	---	---	---	---	---	125	110
23	---	---	---	---	---	---	---	---	---	---	135	110
24	---	---	---	---	---	---	---	---	650	210	170	135
25	---	---	---	---	---	---	---	---	650	240	185	170
26	---	---	---	---	---	---	---	---	440	250	185	185
27	---	---	---	---	---	---	235	225	630	260	200	185
28	---	---	---	---	---	---	---	---	540	345	---	---
29	---	---	---	---	---	---	---	---	540	420	205	190
30	---	---	---	---	---	---	---	---	---	---	205	205
31	---	---	---	---	---	---	---	---	---	---	205	200
MONTH	---	---	---	---	---	---	---	---	---	---	420	60

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	210	200	310	250	220	190	100	100	---	---	---	---
2	210	195	340	310	190	150	110	100	---	---	---	---
3	230	195	340	180	170	130	120	110	---	---	---	---
4	330	200	180	160	190	150	140	120	---	---	---	---
5	240	210	160	150	200	180	150	140	---	---	---	---
6	230	205	150	150	220	200	200	150	---	---	---	---
7	235	205	160	150	220	220	230	200	---	---	---	---
8	215	210	170	160	240	220	230	190	---	---	---	---
9	215	215	190	170	260	240	235	230	---	---	---	---
10	220	215	220	190	265	265	235	235	---	---	---	---
11	380	185	230	220	265	265	240	235	---	---	---	---
12	185	190	240	195	250	265	265	140	---	---	---	---
13	180	110	195	155	260	250	265	135	---	---	---	---
14	205	175	185	185	260	260	200	160	---	---	---	---
15	---	---	200	185	260	260	205	200	---	---	---	---
16	---	---	200	180	265	240	215	205	---	---	---	---
17	210	205	190	180	240	230	215	215	---	---	---	---
18	205	185	200	190	260	230	215	215	---	---	---	---
19	185	180	195	190	260	140	230	215	---	---	---	---
20	185	170	190	190	150	140	255	230	---	---	---	---
21	170	150	195	190	160	150	255	255	---	---	---	---
22	155	150	195	195	165	100	260	255	---	---	---	---
23	165	155	195	195	100	100	265	260	---	---	---	---
24	175	165	210	195	105	100	270	265	---	---	---	---
25	190	175	205	205	105	105	275	270	---	---	---	---
26	200	190	240	205	110	105	---	---	---	---	---	---
27	205	200	240	180	120	110	---	---	---	---	---	---
28	210	205	200	160	140	120	---	---	---	---	---	---
29	205	205	210	175	150	140	---	---	---	---	---	---
30	250	205	200	180	150	70	---	---	---	---	---	---
31	---	---	200	180	---	---	---	---	---	---	---	---
MONTH	380	110	340	150	265	70	275	100	---	---	---	---

CONNECTICUT RIVER BASIN

01192692 WILLOW BROOK AT NEW BRITAIN, CONN.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCTOBER MAX	OCTOBER MIN	NOVEMBER MAX	NOVEMBER MIN	DECEMBER MAX	DECEMBER MIN	JANUARY MAX	JANUARY MIN	FEBRUARY MAX	FEBRUARY MIN	MARCH MAX	MARCH MIN
1	---	---	---	---	---	---	---	---	4.0	2.0	6.0	3.0
2	---	---	---	---	---	---	---	---	4.0	3.0	3.0	3.0
3	---	---	---	---	---	---	---	---	4.0	2.0	3.0	1.0
4	---	---	---	---	---	---	---	---	4.0	1.0	2.0	1.0
5	---	---	---	---	---	---	---	---	3.0	1.0	3.0	1.0
6	---	---	---	---	---	---	---	---	3.0	2.0	3.0	1.0
7	---	---	---	---	---	---	---	---	4.0	1.0	4.0	1.0
8	---	---	---	---	---	---	---	---	3.0	1.0	3.0	1.0
9	---	---	---	---	---	---	---	---	4.0	1.0	3.0	1.0
10	---	---	---	---	---	---	---	---	4.0	2.0	4.0	1.0
11	---	---	---	---	---	---	---	---	4.0	2.0	5.0	1.0
12	---	---	---	---	---	---	---	---	5.0	1.0	4.0	3.0
13	---	---	---	---	---	---	---	---	4.0	1.0	5.0	3.0
14	---	---	---	---	---	---	---	---	3.0	2.0	3.0	1.0
15	---	---	---	---	---	---	---	---	5.0	2.0	3.0	1.0
16	---	---	---	---	---	---	---	---	5.0	2.0	5.0	2.0
17	---	---	---	---	---	---	---	---	4.0	2.0	3.0	2.0
18	---	---	---	---	---	---	---	---	5.0	3.0	3.0	2.0
19	---	---	---	---	---	---	---	---	2.0	0.0	4.0	2.0
20	---	---	---	---	---	---	---	---	4.0	0.0	5.0	2.0
21	---	---	---	---	---	---	---	---	3.0	0.0	6.0	3.0
22	---	---	---	---	---	---	---	---	4.0	2.0	7.0	4.0
23	---	---	---	---	---	---	---	---	4.0	0.0	5.0	3.5
24	---	---	---	---	---	---	---	---	6.0	1.0	5.0	3.0
25	---	---	---	---	---	---	---	---	5.0	3.0	6.0	3.0
26	---	---	---	---	---	---	---	---	3.0	1.0	6.0	2.0
27	---	---	---	---	---	---	3.0	1.0	5.0	1.0	6.0	2.5
28	---	---	---	---	---	---	4.0	1.0	6.0	3.0	7.0	2.0
29	---	---	---	---	---	---	4.0	2.0	6.0	3.0	9.0	3.0
30	---	---	---	---	---	---	5.0	3.0	---	---	6.5	5.0
31	---	---	---	---	---	---	4.0	2.0	---	---	6.0	5.0
MONTH	---	---	---	---	---	---	---	---	6.0	0.0	9.0	1.0

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	10.0	4.0	16.0	11.0	18.0	16.0	19.0	17.0	---	---	---	---
2	6.5	4.5	14.0	12.0	18.0	15.0	20.0	18.0	---	---	---	---
3	7.5	4.0	15.0	11.0	19.0	13.0	21.0	19.0	---	---	---	---
4	4.0	3.0	13.0	11.0	20.0	17.0	20.0	17.0	---	---	---	---
5	8.0	3.0	13.0	8.0	19.0	16.0	17.0	16.0	---	---	---	---
6	5.0	3.0	15.0	6.5	18.0	14.0	18.0	16.0	---	---	---	---
7	4.0	3.0	16.0	9.0	18.0	15.0	18.0	15.0	---	---	---	---
8	7.0	2.0	13.0	9.0	18.0	14.0	18.0	16.0	---	---	---	---
9	8.0	2.0	9.0	8.0	19.0	16.0	19.0	14.0	---	---	---	---
10	7.0	3.0	12.0	7.0	18.0	13.0	20.0	16.0	---	---	---	---
11	7.0	4.0	14.0	5.0	17.0	11.0	20.0	17.0	---	---	---	---
12	9.0	4.0	15.0	6.5	16.0	9.0	21.0	17.0	---	---	---	---
13	6.0	4.0	16.0	10.0	17.0	14.0	22.0	18.0	---	---	---	---
14	8.0	5.0	14.0	11.0	17.0	14.0	23.0	20.0	---	---	---	---
15	6.5	5.5	15.0	13.0	18.0	14.0	23.0	20.0	---	---	---	---
16	10.0	6.0	16.0	13.0	18.0	16.0	22.0	19.0	---	---	---	---
17	12.0	6.5	16.0	13.0	19.0	17.0	23.0	19.0	---	---	---	---
18	13.0	7.0	17.0	13.0	18.0	16.0	21.0	18.0	---	---	---	---
19	14.0	8.0	16.0	13.0	17.0	17.0	23.0	18.0	---	---	---	---
20	11.0	7.0	14.0	13.0	19.0	16.0	21.0	19.0	---	---	---	---
21	11.0	6.0	17.0	13.0	18.0	17.0	21.0	18.0	---	---	---	---
22	9.0	5.0	17.0	14.0	17.0	16.0	22.0	18.0	---	---	---	---
23	11.0	6.0	18.0	13.0	17.0	15.0	21.0	17.0	---	---	---	---
24	10.0	7.0	18.0	14.0	18.0	15.0	---	---	---	---	---	---
25	11.0	5.0	17.0	14.0	17.0	16.0	---	---	---	---	---	---
26	12.0	3.0	16.0	12.0	17.0	16.0	---	---	---	---	---	---
27	11.0	4.0	16.0	11.0	18.0	16.0	---	---	---	---	---	---
28	14.0	3.0	18.0	12.0	19.0	16.0	---	---	---	---	---	---
29	15.0	8.0	18.0	12.0	19.0	16.0	---	---	---	---	---	---
30	16.0	8.0	17.0	14.0	17.0	17.0	---	---	---	---	---	---
31	---	---	18.0	14.0	---	---	---	---	---	---	---	---
MONTH	16.0	2.0	18.0	5.0	20.0	9.0	---	---	---	---	---	---

01192693 WILLOW BROOK NEAR NEW BRITAIN, CONN.

LOCATION.--Lat 41°38'55", long 72°46'18", Hartford County, at bridge where South Main Street and Stanley Street converge near New Britain.

DRAINAGE AREA.--8.65 sq mi.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	CROSS SECTION LOCATION (FT)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
Left Bank ----- 1 foot from left edge of water										
JAN.										
27...	1250	3	1.0	--	--	--	--	--	--	--
FEB.										
04...	1345	3	1.0	--	--	--	--	--	--	--
11...	1450	3	1.0	--	--	--	--	--	--	--
18...	1330	3	1.0	--	--	--	--	--	--	--
25...	1450	3	1.0	--	--	--	--	--	--	--
MAR.										
03...	1410	3	1.0	--	--	--	--	--	--	--
10...	1440	3	1.0	--	--	--	--	--	--	--
20...	1450	3	1.0	--	--	--	--	--	--	--
24...	1445	3	1.0	--	--	--	--	--	--	--
31...	1100	3	1.0	--	--	--	--	--	--	--
APR.										
07...	1425	3	1.0	--	--	--	--	--	--	--
14...	1430	3	1.0	--	--	--	--	--	--	--
25...	1257	3	1.0	--	--	--	--	--	--	--
25...	1320	2	1.0	--	--	--	--	--	--	--
25...	1320	3	1.0	--	--	--	--	--	--	--
MAY										
05...	1330	3	1.0	--	--	--	--	--	--	--
12...	1255	3	1.0	--	--	--	--	--	--	--
19...	1130	3	1.0	--	--	--	--	--	--	--
26...	1205	2	1.0	13	300	110	30	7.3	24	3.2
26...	1205	3	1.0	--	--	--	--	--	--	--
JUNE										
02...	1255	3	1.0	--	--	--	--	--	--	--
09...	1430	3	1.0	--	--	--	--	--	--	--
16...	1240	3	1.0	--	--	--	--	--	--	--
22...	0910	3	1.0	--	--	--	--	--	--	--
30...	1320	3	1.0	--	--	--	--	--	--	--
JULY										
07...	1320	3	1.0	--	--	--	--	--	--	--
25...	1010	2	1.0	15	250	160	37	12	36	4.6
25...	1010	3	1.0	--	--	--	--	--	--	--
Right Bank -----15 feet from left edge of water										
JAN.										
27...	1255	3	15.0	--	--	--	--	--	--	--
FEB.										
04...	1340	3	15.0	--	--	--	--	--	--	--
11...	1455	3	15.0	--	--	--	--	--	--	--
18...	1325	3	15.0	--	--	--	--	--	--	--
25...	1445	3	15.0	--	--	--	--	--	--	--
MAR.										
03...	1400	3	15.0	--	--	--	--	--	--	--
10...	1430	3	15.0	--	--	--	--	--	--	--
20...	1445	3	15.0	--	--	--	--	--	--	--
24...	1435	3	15.0	--	--	--	--	--	--	--
31...	1055	3	15.0	--	--	--	--	--	--	--
APR.										
07...	1415	3	15.0	--	--	--	--	--	--	--
14...	1425	3	15.0	--	--	--	--	--	--	--
25...	1252	3	15.0	--	--	--	--	--	--	--
MAY										
05...	1325	3	15.0	--	--	--	--	--	--	--
12...	1250	3	15.0	--	--	--	--	--	--	--
19...	1125	3	15.0	--	--	--	--	--	--	--
26...	1200	3	15.0	--	--	--	--	--	--	--
JUNE										
02...	1250	3	15.0	--	--	--	--	--	--	--
16...	1230	3	15.0	--	--	--	--	--	--	--
22...	0905	3	15.0	--	--	--	--	--	--	--
30...	1323	3	15.0	--	--	--	--	--	--	--
JULY										
07...	1315	3	15.0	--	--	--	--	--	--	--
25...	1000	3	15.0	--	--	--	--	--	--	--

01192693 WILLOW BROOK NEAR NEW BRITAIN, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: January to July 1972 (discontinued).
Water temperature: January to July 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

Left bank ----- 1 foot from left edge of water

DATE	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
JAN.										
27...	--	--	--	--	--	--	--	--	--	--
FEB.										
04...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
MAR.										
03...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	1.2	3.7	3.2	4.1	.082
MAY										
05...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
26...	89	0	36	33	.6	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
JUNE										
02...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--
JULY										
07...	--	--	--	--	--	--	--	--	--	--
25...	170	0	48	42	.4	4.8	14	9.5	12	.006
25...	--	--	--	--	--	--	--	--	--	--

Right Bank ----- 15 feet from left edge of water

DATE	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)
JAN.										
27...	--	--	--	--	--	--	--	--	--	--
FEB.										
04...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
MAR.										
03...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
APR.										
07...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
MAY										
05...	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
JUNE										
02...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--
JULY										
07...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--

01192693 WILLOW BROOK NEAR NEW BRITAIN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	HARD-NESS (CA,MG) (MG/1)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC-COND-UCTANCE (MICRO-MHOS)
			Left Bank ----- 1 foot from edge of water						
JAN.									
27...	--	--	--	--	--	--	--	--	415
FEB.									
04...	--	--	--	--	--	--	--	--	244
11...	--	--	--	--	--	--	--	--	480
18...	--	--	--	--	--	--	--	--	320
25...	--	--	--	--	--	--	--	--	515
MAR.									
03...	--	--	--	--	--	--	--	--	190
10...	--	--	--	--	--	--	--	--	305
20...	--	--	--	--	--	--	--	--	245
24...	--	--	--	--	--	--	--	--	265
31...	--	--	--	--	--	--	--	--	365
APR.									
07...	--	--	--	--	--	--	--	--	365
14...	--	--	--	--	--	--	--	--	320
25...	--	--	--	--	--	--	--	--	360
25...	.27	1.1	4.8	1.1	5.4	--	--	--	--
25...	--	--	--	--	--	--	--	--	360
MAY									
05...	--	--	--	--	--	--	--	--	332
12...	--	--	--	--	--	--	--	--	410
19...	--	--	--	--	--	--	--	--	400
26...	--	3.7	16	--	--	110	32	73	384
26...	--	--	--	--	--	--	--	--	375
JUNE									
02...	--	--	--	--	--	--	--	--	315
09...	--	--	--	--	--	--	--	-	430
16...	--	--	--	--	--	--	--	--	465
22...	--	--	--	--	--	--	--	--	340
30...	--	--	--	--	--	--	--	--	180
JULY									
07...	--	--	--	--	--	--	--	--	405
25...	.02	.00	.0	6.5	16	142	2	--	522
25...	--	--	--	--	--	--	--	--	480
			Right Bank ----- 15 feet from edge of water						
JAN.									
27...	--	--	--	--	--	--	--	--	400
FEB.									
04...	--	--	--	--	--	--	--	--	230
11...	--	--	--	--	--	--	--	--	510
18...	--	--	--	--	--	--	--	--	305
25...	--	--	--	--	--	--	--	--	500
MAR.									
03...	--	--	--	--	--	--	--	--	139
10...	--	--	--	--	--	--	--	--	250
20...	--	--	--	--	--	--	--	--	175
24...	--	--	--	--	--	--	--	--	203
31...	--	--	--	--	--	--	--	--	360
APR.									
07...	--	--	--	--	--	--	--	--	350
14...	--	--	--	--	--	--	--	--	300
25...	--	--	--	--	--	--	--	--	335
MAY									
05...	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	360
19...	--	--	--	--	--	--	--	--	340
26...	--	--	--	--	--	--	--	--	325
JUNE									
02...	--	--	--	--	--	--	--	--	225
16...	--	--	--	--	--	--	--	--	435
22...	--	--	--	--	--	--	--	--	275
30...	--	--	--	--	--	--	--	--	110
JULY									
07...	--	--	--	--	--	--	--	--	363
25...	--	--	--	--	--	--	--	--	425

01192693 WILLOW BROOK NEAR NEW BRITAIN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	PH (UNITS)	TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
Left Bank ----- 1 foot from edge of water									
JAN.									
27...	--	6.0	7.5	68	--	--	--	--	--
FEB.									
04...	--	4.0	13.2	100	--	--	--	--	--
11...	--	7.0	10.3	85	--	--	--	--	--
18...	--	7.5	13.5	112	--	--	--	--	--
25...	--	7.0	11.6	96	--	--	--	--	--
MAR.									
03...	--	3.0	13.6	100	--	--	--	--	--
10...	--	8.0	11.2	94	--	--	--	--	--
20...	--	6.5	11.7	95	--	--	--	--	--
24...	--	7.0	12.0	98	--	--	--	--	--
31...	--	8.0	10.7	90	--	--	--	--	--
APR.									
07...	--	6.0	13.1	105	--	--	--	--	--
14...	--	11.5	9.8	89	--	--	--	--	--
25...	--	11.5	10.7	98	--	--	--	--	--
25...	--	11.5	--	--	--	--	--	--	--
25...	7.8	11.5	10.2	92	620000	200000	84000	--	--
MAY									
05...	--	13.5	9.5	90	--	--		--	--
12...	--	15.0	9.3	91	--	--	--	--	--
19...	--	15.0	8.2	80	--	--	--	--	--
26...	6.7	15.0	--	--	--	--	--	33	1.0
26...	--	15.0	8.7	85	--	--	--	--	--
JUNE									
02...	--	16.0	8.3	84	--	--	--	--	--
09...	--	19.0	--	--	--	--	--	--	--
16...	--	17.0	7.3	75	--	--	--	--	--
22...	--	17.0	7.8	80	--	--	--	--	--
30...	--	17.0	9.0	93	--	--	--	--	--
JULY									
07...	--	17.5	6.6	69	--	--	--	--	--
25...	7.0	19.0	--	--	--	--	--	35	1.3
25...	7.1	19.0	6.0	64	--	--	--	--	--
Right Bank ----- 15 foot from edge of water									
JAN.									
27...	--	5.0	9.1	71	--	--	--	--	--
FEB.									
04...	--	3.5	14.0	105	--	--	--	--	--
11...	--	6.0	9.9	79	--	--	--	--	--
18...	--	6.0	12.5	100	--	--	--	--	--
25...	--	6.0	11.2	90	--	--	--	--	--
MAR.									
03...	--	2.0	12.4	90	--	--	--	--	--
10...	--	6.5	11.8	96	--	--	--	--	--
20...	--	5.0	11.4	90	--	--	--	--	--
24...	--	5.5	12.2	97	--	--	--	--	--
31...	--	6.0	10.4	84	--	--	--	--	--
APR.									
07...	--	4.0	13.1	100	--	--	--	--	--
14...	--	11.0	10.2	92	--	--	--	--	--
25...	--	11.0	10.2	92	--	--	--	--	--
MAY									
05...	--	13.0	10.2	96	--	--	--	--	--
12...	--	15.5	9.2	92	--	--	--	--	--
19...	--	15.0	9.2	91	--	--	--	--	--
26...	--	15.0	10.0	98	--	--	--	--	--
JUNE									
02...	--	17.0	8.4	87	--	--	--	--	--
16...	--	17.0	8.3	86	--	--	--	--	--
22...	---	17.0	8.3	86	--	--	--	--	--
30...	--	17.0	9.4	97	--	--	--	--	--
JULY									
07...	--	18.0	8.0	84	--	--	--	--	--
25...	--	19.0	7.0	75	--	--	--	--	--

01192693 WILLOW BROOK NEAR NEW BRITAIN, CONN.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	---	---	390	250
2	---	---	---	---	---	---	---	---	---	---	250	190
3	---	---	---	---	---	---	---	---	2000	---	280	120
4	---	---	---	---	---	---	---	---	265	265	360	200
5	---	---	---	---	---	---	---	---	295	265	410	230
6	---	---	---	---	---	---	---	---	315	285	265	255
7	---	---	---	---	---	---	---	---	495	315	320	270
8	---	---	---	---	---	---	---	---	493	430	300	270
9	---	---	---	---	---	---	---	---	430	425	310	275
10	---	---	---	---	---	---	---	---	485	430	305	305
11	---	---	---	---	---	---	---	---	480	460	300	300
12	---	---	---	---	---	---	---	---	443	440	320	230
13	---	---	---	---	---	---	---	---	430	190	330	280
14	---	---	---	---	---	---	---	---	360	190	325	325
15	---	---	---	---	---	---	---	---	460	360	390	320
16	---	---	---	---	---	---	---	---	460	400	500	200
17	---	---	---	---	---	---	---	---	433	350	230	180
18	---	---	---	---	---	---	---	---	350	280	280	200
19	---	---	---	---	---	---	---	---	390	240	270	190
20	---	---	---	---	---	---	---	---	503	240	280	180
21	---	---	---	---	---	---	---	---	530	500	280	230
22	---	---	---	---	---	---	---	---	560	500	270	120
23	---	---	---	---	---	---	---	---	410	370	260	260
24	---	---	---	---	---	---	---	---	533	360	300	260
25	---	---	---	---	---	---	---	---	573	450	320	500
26	---	---	---	---	---	---	---	---	523	410	500	210
27	---	---	---	---	---	---	---	---	703	500	220	190
28	---	---	---	---	---	---	---	---	720	560	243	200
29	---	---	---	---	---	---	---	---	713	395	433	230
30	---	---	---	---	---	---	---	---	---	---	410	250
31	---	---	---	---	---	---	---	---	---	---	365	360
MONTH	---	---	---	---	---	---	---	---	2000	190	500	120

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	350	330	455	410	470	270	273	200	---	---	---	---
2	560	330	430	450	360	235	260	200	---	---	---	---
3	400	530	405	130	370	260	355	250	---	---	---	---
4	530	380	350	130	440	180	360	250	---	---	---	---
5	540	350	280	160	360	170	370	360	---	---	---	---
6	350	330	240	205	380	210	400	370	---	---	---	---
7	360	330	250	210	390	160	410	375	---	---	---	---
8	380	330	270	230	390	373	415	370	---	---	---	---
9	365	360	430	240	435	320	410	405	---	---	---	---
10	390	360	550	430	360	320	443	410	---	---	---	---
11	450	350	630	463	550	310	490	410	---	---	---	---
12	360	350	500	400	560	307	520	490	---	---	---	---
13	375	160	570	390	370	365	525	140	---	---	---	---
14	320	265	590	280	450	370	350	210	---	---	---	---
15	330	310	330	270	460	455	330	270	---	---	---	---
16	360	165	280	220	550	220	360	260	---	---	---	---
17	360	250	290	200	332	250	365	290	---	---	---	---
18	465	320	350	230	330	285	360	240	---	---	---	---
19	570	370	400	315	320	145	360	330	---	---	---	---
20	410	100	310	140	330	215	370	330	---	---	---	---
21	500	215	295	260	360	330	380	370	---	---	---	---
22	295	115	360	260	350	183	395	380	---	---	---	---
23	560	120	330	300	235	140	630	390	---	---	---	---
24	500	430	330	300	175	125	490	430	---	---	---	---
25	400	360	335	300	210	175	485	480	---	---	---	---
26	370	360	440	330	250	210	---	---	---	---	---	---
27	385	375	360	320	290	250	---	---	---	---	---	---
28	400	385	370	295	310	290	---	---	---	---	---	---
29	460	385	370	320	370	310	---	---	---	---	---	---
30	425	400	373	335	390	360	---	---	---	---	---	---
31	---	---	610	100	---	---	---	---	---	---	---	---
MONTH	600	100	630	100	550	120	570	180	---	---	---	---

01192693 WILLOW BROOK NEAR NEW BRITAIN, CONN.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	7.0	2.0	8.0	3.0
2	---	---	---	---	---	---	---	---	6.0	3.0	6.0	4.0
3	---	---	---	---	---	---	---	---	6.0	1.0	6.0	3.0
4	---	---	---	---	---	---	---	---	6.0	1.0	6.0	2.0
5	---	---	---	---	---	---	---	---	---	---	7.0	2.0
6	---	---	---	---	---	---	---	---	---	---	7.0	1.0
7	---	---	---	---	---	---	---	---	---	---	8.0	1.0
8	---	---	---	---	---	---	---	---	---	---	7.0	1.0
9	---	---	---	---	---	---	---	---	---	---	7.0	1.0
10	---	---	---	---	---	---	---	---	---	---	8.0	1.0
11	---	---	---	---	---	---	---	---	7.0	3.0	6.0	3.0
12	---	---	---	---	---	---	---	---	8.0	0.0	7.0	4.0
13	---	---	---	---	---	---	---	---	7.0	2.0	8.0	4.0
14	---	---	---	---	---	---	---	---	6.0	2.0	6.0	4.0
15	---	---	---	---	---	---	---	---	8.0	2.0	6.0	3.0
16	---	---	---	---	---	---	---	---	8.0	1.0	8.0	4.0
17	---	---	---	---	---	---	---	---	7.0	3.0	6.0	3.0
18	---	---	---	---	---	---	---	---	9.0	4.0	6.0	3.0
19	---	---	---	---	---	---	---	---	6.0	1.0	7.0	3.0
20	---	---	---	---	---	---	---	---	7.0	1.0	7.0	4.0
21	---	---	---	---	---	---	---	---	6.0	0.0	8.0	3.0
22	---	---	---	---	---	---	---	---	7.0	4.0	8.0	5.0
23	---	---	---	---	---	---	---	---	6.0	1.0	6.0	3.5
24	---	---	---	---	---	---	---	---	6.0	2.0	7.0	3.5
25	---	---	---	---	---	---	---	---	8.0	4.0	8.0	3.0
26	---	---	---	---	---	---	---	---	6.0	3.0	8.0	2.0
27	---	---	---	---	---	---	6.0	4.0	7.0	3.0	8.0	2.5
28	---	---	---	---	---	---	6.0	3.0	8.0	4.0	9.0	2.0
29	---	---	---	---	---	---	7.0	2.0	9.0	4.0	11.0	3.0
30	---	---	---	---	---	---	7.0	3.0	---	---	8.0	6.0
31	---	---	---	---	---	---	7.0	2.0	---	---	8.0	6.0
MONTH	---	---	---	---	---	---	---	---	9.0	0.0	11.0	1.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	4.0	16.0	10.0	17.0	14.0	18.0	16.0	---	---	---	---
2	8.0	4.0	14.0	11.0	17.0	13.0	20.0	17.0	---	---	---	---
3	9.0	4.0	15.0	10.0	18.0	13.0	19.0	18.0	---	---	---	---
4	6.0	4.0	13.0	11.0	18.0	15.0	19.0	17.0	---	---	---	---
5	8.0	2.0	14.0	9.0	18.0	14.0	18.0	16.0	---	---	---	---
6	8.0	3.0	15.0	7.0	17.0	13.0	18.0	16.0	---	---	---	---
7	6.0	3.0	16.0	9.0	17.0	13.0	18.0	16.0	---	---	---	---
8	9.0	2.0	13.0	10.0	17.0	12.0	18.0	15.0	---	---	---	---
9	10.0	2.0	10.0	9.0	19.0	14.0	18.0	15.0	---	---	---	---
10	9.0	3.0	12.0	9.5	17.0	13.0	19.0	16.0	---	---	---	---
11	8.0	4.0	14.0	7.0	17.0	11.0	20.0	17.0	---	---	---	---
12	10.5	4.0	16.0	7.0	16.0	11.0	21.0	17.0	---	---	---	---
13	8.5	5.0	16.0	8.0	17.0	13.0	22.0	18.0	---	---	---	---
14	12.0	5.0	14.0	10.0	17.0	13.0	23.0	19.0	---	---	---	---
15	7.0	4.0	15.0	13.0	18.0	14.0	22.0	19.0	---	---	---	---
16	12.0	5.0	16.0	12.0	18.0	15.0	21.0	18.0	---	---	---	---
17	14.0	4.0	16.0	12.0	19.0	16.0	22.0	19.0	---	---	---	---
18	15.0	6.0	17.0	12.0	17.0	16.0	21.0	18.0	---	---	---	---
19	17.0	5.0	16.0	12.5	17.0	16.0	23.0	18.0	---	---	---	---
20	12.0	7.0	13.0	11.0	19.0	15.0	22.0	18.0	---	---	---	---
21	17.0	6.0	17.0	12.0	18.0	16.0	21.0	18.0	---	---	---	---
22	9.0	6.0	17.0	13.0	17.0	16.0	22.0	18.0	---	---	---	---
23	12.5	6.0	18.0	12.0	17.0	16.0	21.0	17.0	---	---	---	---
24	11.0	8.0	18.0	12.0	17.0	16.0	---	---	---	---	---	---
25	12.0	6.0	17.0	13.0	17.0	16.0	---	---	---	---	---	---
26	13.0	6.0	17.0	12.0	16.0	14.0	---	---	---	---	---	---
27	12.0	5.0	17.0	9.0	16.0	14.0	---	---	---	---	---	---
28	14.0	6.5	18.0	11.0	19.0	16.0	---	---	---	---	---	---
29	16.0	7.0	18.0	11.0	19.0	16.0	---	---	---	---	---	---
30	17.0	7.0	17.0	12.0	19.0	15.0	---	---	---	---	---	---
31	---	---	18.0	13.0	---	---	---	---	---	---	---	---
MONTH	17.0	2.0	18.0	7.0	19.0	11.0	---	---	---	---	---	---

01192694 WILLOW BROOK AT BERLIN, CONN.

LOCATION.--Lat 41°38'30", long 72°45'53", Hartford County, at bridge on Christian Lane at Berlin.

DRAINAGE AREA.--10.0 sq mi.

PERIOD OF RECORD.--Chemical analyses: January to July 1972 (discontinued).
Water temperature: January to July 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)
JAN.											
27...	1330	3	--	--	--	--	--	--	--	--	--
FEB.											
04...	1455	3	--	--	--	--	--	--	--	--	--
11...	1550	3	--	--	--	--	--	--	--	--	--
18...	1425	3	--	--	--	--	--	--	--	--	--
25...	1535	3	--	--	--	--	--	--	--	--	--
MAR.											
03...	1450	3	--	--	--	--	--	--	--	--	--
10...	1530	3	--	--	--	--	--	--	--	--	--
20...	1550	3	--	--	--	--	--	--	--	--	--
24...	1530	3	--	--	--	--	--	--	--	--	--
31...	1040	3	--	--	--	--	--	--	--	--	--
APR.											
07...	1545	3	--	--	--	--	--	--	--	--	--
14...	1505	3	--	--	--	--	--	--	--	--	--
25...	1525	2	.20	.08	1.7	2.1	.036	.12	1.0	4.4	1.6
25...	1525	3	--	--	--	--	--	--	--	--	--
MAY											
05...	1350	3	--	--	--	--	--	--	--	--	--
12...	1335	3	--	--	--	--	--	--	--	--	--
19...	1045	3	--	--	--	--	--	--	--	--	--
26...	1240	3	--	--	--	--	--	--	--	--	--
JUNE											
02...	1330	3	--	--	--	--	--	--	--	--	--
16...	1325	3	--	--	--	--	--	--	--	--	--
22...	2050	3	--	--	--	--	--	--	--	--	--
30...	1255	3	--	--	--	--	--	--	--	--	--
JULY											
07...	1505	3	--	--	--	--	--	--	--	--	--
25...	1335	2	.55	1.0	1.4	1.8	.085	.27	.60	2.6	1.6
25...	1335	3	--	--	--	--	--	--	--	--	--

DATE	TOTAL NITRO-GEN (N) (MG/L)	SPECI-FIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
JAN.										
27...	--	430	--	3.0	--	7.6	56	--	--	--
FEB.										
04...	--	340	--	3.0	--	8.8	65	--	--	--
11...	--	400	--	5.0	--	8.8	69	--	--	--
18...	--	355	--	5.5	--	8.3	66	--	--	--
25...	--	420	--	6.0	--	7.7	61	--	--	--
MAR.										
03...	--	190	--	2.0	--	10.7	78	--	--	--
10...	--	310	--	6.5	--	9.7	78	--	--	--
20...	--	290	--	6.0	--	9.6	77	--	--	--
24...	--	252	--	6.0	--	10.0	80	--	--	--
31...	--	370	--	6.0	--	8.7	69	--	--	--
APR.										
07...	--	365	--	9.0	--	9.5	82	--	--	--
14...	--	325	--	10.5	--	7.4	66	--	--	--
25...	4.3	--	--	12.0	--	--	--	--	--	--
25...	--	395	7.5	12.0	--	7.6	70	300000	20000	28000
MAY										
05...	--	--	--	13.5	--	7.0	67	--	--	--
12...	--	435	--	15.5	--	5.4	54	--	--	--
19...	--	395	--	15.0	--	5.3	52	--	--	--
26...	--	995	--	15.0	--	4.6	45	--	--	--
JUNE										
02...	--	900	--	17.5	--	6.2	65	--	--	--
16...	--	460	--	18.0	--	2.6	27	--	--	--
22...	--	305	--	16.0	--	5.0	53	--	--	--
30...	--	196	--	17.0	--	7.5	77	--	--	--
JULY										
07...	--	375	--	19.5	--	4.6	50	--	--	--
25...	3.6	--	--	22.5	34.0	1.5	17	--	--	--
25...	--	500	6.6	22.5	34.0	1.5	17	--	--	--

01192695 WILLOW BROOK AT BERLIN, CONN.

LOCATION.--Lat 41°28'24", long 72°44'47", Hartford County, at Deming Road at Berlin.

DRAINAGE AREA.--10.1 sq mi.

PERIOD OF RECORD.--Chemical analyses: February to July 1972 (discontinued).
Water temperature: January to July 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION
FEB.						
04...	1510	3	340	3.0	10.2	76
11...	1545	3	415	4.5	9.2	71
18...	1430	3	375	5.0	11.4	89
25...	1550	3	440	5.5	7.9	62
MAR.						
03...	1455	3	186	2.0	10.9	79
10...	1545	3	320	6.5	10.7	87
20...	1600	3	260	6.0	10.6	85
24...	1540	3	275	6.0	10.4	83
31...	1035	3	400	6.0	8.7	69
APR.						
07...	1535	3	420	5.0	8.1	62
14...	1515	3	325	10.0	8.2	73
25...	1610	3	400	12.0	8.2	76
MAY						
05...	1400	3	328	13.5	7.0	67
12...	1350	3	465	15.5	4.8	48
19...	1035	3	413	15.0	4.2	41
26...	1250	3	410	15.0	4.7	46
JUNE						
02...	1335	3	300	19.0	5.5	58
16...	1310	3	490	19.0	3.4	36
22...	1005	3	320	18.0	4.5	47
30...	1400	3	138	17.0	7.2	74
JULY						
07...	1515	3	408	19.5	3.0	33
25...	1415	3	500	23.0	1.6	18

01193950 CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN.

LOCATION.--Lat 41°32'30", long 72°33'13", Middlesex County, on pier of United Aircraft Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL), 0.8 mile south of Middle Haddam, and 6.1 miles south of Middletown.

DRAINAGE AREA.--10,893 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.											
13...	0830	2	4.3	110	30	14	2.2	9.8	2.1	35	0
13...	0830	3	--	--	--	--	--	--	--	--	--
NOV.											
10...	0955	2	6.2	240	60	15	2.7	9.9	1.9	37	0
10...	0955	3	--	--	--	--	--	--	--	--	--
DEC.											
07...	1200	2	6.5	220	40	13	2.6	10	1.7	36	0
07...	1200	3	--	--	--	--	--	--	--	--	--
JAN.											
12...	1000	2	7.6	210	120	12	2.5	14	1.5	31	0
12...	1000	3	--	--	--	--	--	--	--	--	--
FEB.											
09...	0955	2	6.9	190	70	12	2.7	13	1.5	28	0
09...	0955	3	--	--	--	--	--	--	--	--	--
MAR.											
08...	0945	2	6.9	170	30	12	1.0	11	1.5	24	0
08...	0945	3	--	--	--	--	--	--	--	--	--
APR.											
12...	1000	2	6.5	170	40	12	1.4	8.4	1.3	22	0
12...	1000	3	--	--	--	--	--	--	--	--	--
MAY											
10...	1025	2	4.4	120	0	8.4	1.0	3.5	1.0	17	0
10...	1025	3	--	--	--	--	--	--	--	--	--
JUNE											
07...	1015	2	5.3	210	30	11	1.4	6.1	1.1	27	0
07...	1015	3	--	--	--	--	--	--	--	--	--
JULY											
12...	0945	2	5.0	200	10	11	2.0	7.0	1.3	28	0
12...	0945	3	--	--	--	--	--	--	--	--	--
AUG.											
16...	0955	2	3.0	70	10	14	2.4	8.5	1.6	38	0
16...	0955	3	--	--	--	--	--	--	--	--	--
SEP.											
13...	1015	2	2.1	50	0	15	2.5	11	1.9	40	0
13...	1015	3	--	--	--	--	--	--	--	--	--

01193050 CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN.--Continued

PERIOD OF RECORD.--Continued
Water temperatures: October 1967 to September 1970.

REMARKS.--Digital water quality ca collection system and monthly samples. Records of hourly-punched parameters 1967-70 available in the district office at Hartford, Conn. Available in Part 1 of this report are volumes of tidal interchange computed for a site 3.8 miles upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
13...	14	13	.2	.31	.10	.31	--	--	--	--	1.0
13...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
10...	19	14	.2	--	.23	.71	--	--	--	--	.60
10...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
07...	17	14	.2	--	.21	.64	.53	.68	--	--	.60
07...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
12...	18	21	.1	--	.070	.21	.51	.66	--	--	.60
12...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
09...	17	21	.4	--	.17	.52	--	--	--	--	1.3
09...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
08...	15	18	.1	--	.070	.21	--	--	--	--	.80
08...	--	--	--	--	--	--	--	--	--	--	--
APR.											
12...	15	14	.1	--	.066	.20	--	--	--	--	.70
12...	--	--	--	--	--	--	--	--	--	--	--
MAY											
10...	9.7	5.0	.0	--	.093	.29	--	--	--	--	.40
10...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
07...	13	9.3	.1	--	.050	.15	--	--	--	--	.60
07...	--	--	--	--	--	--	--	--	--	--	--
JULY											
12...	14	11	.1	--	.12	.37	.81	1.04	.067	.22	.40
12...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
16...	15	13	.3	--	.20	.61	.45	.58	.175	.58	.90
16...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
13...	18	16	.3	--	.24	.74	.30	.39	.211	.69	.80
13...	--	--	--	--	--	--	--	--	--	--	--

01193050 CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISSOLVED NITRATE (NO3) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)
OCT.											
13...	4.4	--	--	82	.11	44	15	29	141	7.0	1
13...	--	--	--	--	--	--	--	--	128	7.2	--
NOV.											
10...	2.6	--	--	90	.12	49	18	30	154	6.8	2
10...	--	--	--	--	--	--	--	--	139	7.5	--
DEC.											
07...	2.6	--	--	87	.12	43	14	30	151	7.0	2
07...	--	--	--	--	--	--	--	--	165	7.3	--
JAN.											
12...	2.6	--	--	95	.13	40	15	25	162	6.9	1
12...	--	--	--	--	--	--	--	--	180	7.6	--
FEB.											
09...	5.7	--	--	95	.13	41	18	23	154	6.9	2
09...	--	--	--	--	--	--	--	--	185	7.5	--
MAR.											
08...	3.5	--	--	81	.11	34	14	20	142	6.5	2
08...	--	--	--	--	--	--	--	--	160	7.1	--
APR.											
12...	3.0	--	--	73	.10	36	18	18	129	7.0	2
12...	--	--	--	--	--	--	--	--	140	7.3	--
MAY											
10...	1.7	--	--	43	.06	25	11	14	72	7.1	4
10...	--	--	--	--	--	--	--	--	79	7.4	--
JUNE											
07...	2.6	--	--	--	--	33	11	22	109	6.9	1
07...	--	--	--	--	--	--	--	--	112	7.1	--
JULY											
12...	1.7	.65	--	69	.09	36	13	23	119	6.8	1
12...	--	--	--	--	--	--	--	--	124	7.6	--
AUG.											
16...	3.9	.92	2.4	84	.11	45	14	31	147	6.9	1
16...	--	--	--	--	--	--	--	--	140	6.4	--
SEP.											
13...	3.5	1.0	2.3	93	.13	48	15	33	180	7.2	1
13...	--	--	--	--	--	--	--	--	180	6.5	--

01193050 CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)
OCT.										
13...	15.0	8.5	--	--	--	--	--	31	.6	--
13...	15.0	8.5	7.0	68	35000	1000	260	--	--	--
NOV.										
10...	9.0	3.0	--	--	--	--	--	30	.6	--
10...	9.0	3.0	7.8	67	130000	4000	1100	--	--	--
DEC.										
07...	3.0	13.5	--	--	--	--	--	32	.7	--
07...	3.0	13.5	9.4	69	80000	810	6300	--	--	--
JAN.										
12...	1.5	7.5	--	--	--	--	--	42	1.0	--
12...	1.5	7.5	10.0	72	35000	7200	8600	--	--	--
FEB.										
09...	1.0	-3.0	--	--	--	--	--	40	.9	--
09...	1.0	-3.0	7.7	55	68000	3700	6100	--	--	--
MAR.										
08...	2.0	9.0	--	--	--	--	--	40	.8	--
08...	2.0	9.0	10.8	76	38000	5000	1300	--	--	--
APR.										
12...	5.0	14.0	--	--	--	--	--	33	.6	--
12...	5.0	14.0	8.8	69	27000	5100	2800	--	--	--
MAY										
10...	8.0	12.0	--	--	--	--	--	22	.3	--
10...	8.0	12.0	7.6	64	11000	660	560	--	--	--
JUNE										
07...	20.0	21.5	--	--	--	--	--	28	.5	--
07...	20.0	21.5	6.4	70	6800	660	180	--	--	--
JULY										
12...	22.5	31.0	--	--	--	--	--	29	.5	0
12...	22.5	31.0	7.0	81	700	35	80	--	--	--
AUG.										
16...	23.0	20.0	--	--	--	--	--	28	.6	--
16...	23.0	20.0	8.0	92	1100	300	70	--	--	--
SEP.										
13...	22.0	24.0	--	--	--	--	--	32	.7	--
13...	22.0	24.0	6.8	77	9200	240	16	--	--	--

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.

LOCATION.--Lat 41°33'11", long 72°26'57", Middlesex County, at gaging station on right bank at Old Comstock Bridge, 150 ft downstream from New London-Middlesex County Line, 0.6 mile downstream from Dickinson Creek, and 3.5 miles southeast of East Hampton.

DRAINAGE AREA.--102 sq mi.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
11...	0815	2	620	7.9	--	--	6.0	1.4	5.5	2.5	9
11...	0815	3	620	--	--	--	--	--	--	--	--
NOV.											
08...	0855	2	227	--	--	--	--	--	--	--	10
08...	0855	3	227	--	--	--	--	--	--	--	--
DEC.											
06...	0940	2	180	--	--	--	--	--	--	--	11
06...	0940	3	180	--	--	--	--	--	--	--	--
JAN.											
10...	1015	2	500	--	--	--	--	--	--	--	9
10...	1015	3	500	--	--	--	--	--	--	--	--
FEB.											
07...	0945	2	190	--	--	--	--	--	--	--	12
07...	0945	3	190	--	-	--	--	--	--	--	--
MAR.											
06...	0915	2	425	--	--	--	--	--	--	--	5
06...	0915	3	425	--	--	--	--	--	--	--	--
APR.											
10...	0930	2	210	--	--	--	--	--	--	--	8
10...	0930	3	210	--	--	--	--	--	--	--	--
MAY											
08...	0915	2	314	--	--	--	--	--	--	--	8
08...	0915	3	314	--	--	--	--	--	--	--	--
JUNE											
05...	0920	2	610	--	--	--	--	--	--	--	10
05...	0920	3	610	--	--	--	--	--	--	--	--
JULY											
10...	0945	2	196	8.9	320	0	5.0	1.3	5.4	1.0	12
10...	0945	3	196	--	--	--	--	--	--	--	--
AUG.											
14...	0915	2	55	8.9	310	0	5.9	1.7	6.8	1.8	14
14...	0915	3	55	--	--	--	--	--	--	--	--
SEP.											
11...	0900	2	35	8.8	240	0	7.0	1.9	7.1	1.8	15
11...	0900	3	35	--	--	--	--	--	--	--	--

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1961, June 1968 to September 1972.
Water temperatures: October 1960 to September 1962.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1960-61 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS_ SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)
OCT.											
11...	0	13	10	.1	.020	.06	--	--	--	--	.20
11...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
08...	0	14	12	--	.010	.03	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
06...	0	13	11	--	.003	.01	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
10...	0	13	13	--	.009	.03	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
07...	0	13	12	--	.005	.02	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	0	12	11	--	.000	.00	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
APR.											
10...	0	13	11	--	.002	.01	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
MAY											
08...	0	11	9.0	--	.91	2.7	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
05...	0	11	7.6	--	.014	.04	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	0	11	8.4	.0	.015	.05	.15	.19	.005	.02	.20
10...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
14...	0	10	14	.1	.024	.07	.22	.28	.007	.02	.30
14...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	0	10	14	.1	.007	.02	--	--	--	--	.20
11...	--	--	--	--	--	--	--	--	--	--	--

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
11...	.8	--	--	52	87.0	.07	21	13	7	82	6.5
11...	--	--	--	--	--	--	--	--	--	120	6.3
NOV.											
08...	--	--	--	31	19.0	.04	22	14	8	--	--
08...	--	--	--	--	--	--	--	--	--	78	7.6
DEC.											
06...	--	--	--	--	--	--	21	12	9	--	--
06...	--	--	--	--	--	--	--	--	--	95	7.2
JAN.											
10...	--	--	--	--	--	--	20	13	7	--	--
10...	--	--	--	--	--	--	--	--	--	100	7.9
FEB.											
07...	--	--	--	--	--	--	21	11	10	--	--
07...	--	--	--	--	--	--	--	--	--	93	7.4
MAR.											
06...	--	--	--	--	--	--	29	25	4	--	--
06...	--	--	--	--	--	--	--	--	--	81	6.8
APR.											
10...	--	--	--	--	--	--	20	13	7	--	6.3
10...	--	--	--	--	--	--	--	--	--	92	6.9
MAY											
08...	--	--	--	--	--	--	18	11	7	--	--
08...	--	--	--	--	--	--	--	--	--	80	7.1
JUNE											
05...	--	--	--	--	--	--	18	10	8	--	--
05...	--	--	--	--	--	--	--	--	--	76	7.2
JULY											
10...	.8	.32	.67	48	25.4	.07	18	8	10	73	6.7
10...	--	--	--	--	--	--	--	--	--	90	7.6
AUG.											
14...	1.3	--	--	58	0.61	.08	22	10	11	92	7.0
14...	--	--	--	--	--	--	--	--	--	98	6.8
SEP.											
11...	.8	--	--	--	--	--	25	13	12	99	7.2
11...	--	--	--	--	--	--	--	--	--	100	6.6

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.										
11...	1	14.0	14.0	--	--	--	--	--	33	.5
11...	--	14.0	14.0	9.8	96	10000	4100	470	--	--
NOV.										
08...	1	5.0	6.5	--	--	--	--	--	--	--
08...	--	5.0	6.5	11.8	92	420	400	420	--	--
DEC.										
06...	1	2.0	.0	--	--	--	--	--	--	--
06...	--	2.0	.0	5.4	39	150	6	30	--	--
JAN.										
10...	1	1.0	7.0	--	--	--	--	--	--	--
10...	--	1.0	7.0	10.0	70	120	25	400	--	--
FEB.										
07...	1	1.0	-2.0	--	--	--	--	--	--	--
07...	--	1.0	-2.0	9.5	67	180	2	11	--	--
MAR.										
06...	1	1.0	-1.0	--	--	--	--	--	--	--
06...	--	1.0	-1.0	9.5	67	88	6	21	--	--
APR.										
10...	1	3.5	5.0	--	--	--	--	--	--	--
10...	--	3.5	5.0	9.7	73	46	7	7	--	--
MAY										
08...	1	13.0	12.0	--	--	--	--	--	--	--
08...	--	13.0	12.0	10.0	96	660	67	61	--	--
JUNE										
05...	1	17.0	21.0	--	--	--	--	--	--	--
05...	--	17.0	21.0	8.0	82	5100	4800	1900	--	--
JULY										
10...	1	18.0	23.0	--	--	--	--	--	38	.6
10...	--	18.0	23.0	8.2	86	170	38	6700	--	--
AUG.										
14...	1	17.5	22.5	--	--	--	--	--	38	.6
14...	--	17.5	22.5	8.6	90	50	40	180	--	--
SEP.										
11...	1	11.0	17.5	--	--	--	--	--	36	.6
11...	--	11.0	17.5	9.6	86	580	26	360	--	--

QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.

LOCATION.--Lat 41°26'50", long 72°50'29", New Haven County, at gaging station on right bank on Wilbur Cross Highway, 0.8 mile downstream from bridge on Quinnipiac Street in Wallingford, and 2 miles upstream from Worton Brook.

DRAINAGE AREA.--110 sq mi.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
12...	0945	2	400	7.0	--	--	18	3.2	11	2.8	65
12...	0945	3	400	--	--	--	--	--	--	--	--
NOV.											
09...	1017	2	169	--	--	--	--	--	--	--	71
09...	1017	3	169	--	--	--	--	--	--	--	--
DEC.											
08...	0945	2	530	--	--	--	--	--	--	--	69
08...	0945	3	530	--	--	--	--	--	--	--	--
JAN.											
11...	1015	2	360	--	--	--	--	--	--	--	61
11...	1015	3	360	--	--	--	--	--	--	--	--
FEB.											
08...	1000	2	172	--	--	--	--	--	--	--	67
08...	1000	3	172	--	--	--	--	--	--	--	--
MAR.											
07...	0930	2	410	--	--	--	--	--	--	--	62
07...	0930	3	410	--	--	--	--	--	--	--	--
APR.											
11...	1030	2	220	--	--	--	--	--	--	--	64
11...	1030	3	220	--	--	--	--	--	--	--	--
MAY											
09...	1035	2	300	--	--	--	--	--	--	--	62
09...	1035	3	300	--	--	--	--	--	--	--	--
JUNE											
06...	1020	2	323	--	--	--	--	--	--	--	61
06...	1020	3	323	--	--	--	--	--	--	--	--
JULY											
11...	0945	2	250	12	120	160	20	5.0	19	1.6	76
11...	0945	3	250	--	--	--	--	--	--	--	--
AUG.											
15...	1040	2	242	11	290	390	20	5.5	16	2.7	1
15...	1040	3	242	--	--	--	--	--	--	--	--
SEP.											
12...	0935	2	76	11	50	180	36	6.9	23	3.0	95
12...	0935	3	76	--	--	--	--	--	--	--	--

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: October 1956 to September 1957, June 1968 to September 1972.
Water temperatures: November 1969 to December 1970.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
12...	0	19	18	.1	.26	.08	--	--	--	--	1.1
12...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
09...	0	27	24	--	.46	1.4	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
08...	0	23	30	--	.27	.03	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
11...	0	26	39	--	.28	.06	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
08...	0	27	35	--	.50	1.5	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	0	23	29	--	.13	.40	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
APR.											
11...	0	29	27	--	.54	1.6	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
MAY											
09...	0	24	27	--	1.3	4.1	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
06...	0	23	22	--	.35	1.0	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	0	24	24	.3	.42	1.2	.06	.08	.020	.07	2.0
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
15...	0	84	25	.3	.68	2.0	1.2	1.5	.005	.28	1.0
15...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
12...	0	34	32	.4	.88	2.7	.05	.06	.205	.96	3.2
12...	--	--	--	--	--	--	--	--	--	--	--

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.											
12...	6.0	--	--	100	117	.15	58	21	37	181	7.1
12...	--	--	--	--	--	--	--	--	--	190	7.5
NOV.											
09...	--	--	--	--	--	--	93	35	58	--	--
09...	--	--	--	--	--	--	--	--	--	165	7.5
DEC.											
08...	--	--	--	--	--	--	66	26	40	--	--
08...	--	--	--	--	--	--	--	--	--	250	7.6
JAN.											
11...	--	--	--	--	--	--	82	32	50	--	--
11...	--	--	--	--	--	--	--	--	--	330	7.0
FEB.											
08...	--	--	--	--	--	--	88	33	55	--	--
08...	--	--	--	--	--	--	--	--	--	605	7.1
MAR.											
07...	--	--	--	--	--	--	76	42	34	--	--
07...	--	--	--	--	--	--	--	--	--	250	7.4
APR.											
11...	--	--	--	--	--	--	89	37	52	--	6.8
11...	--	--	--	--	--	--	--	--	--	290	7.6
MAY											
09...	--	--	--	--	--	--	85	34	51	--	--
09...	--	--	--	--	--	--	--	--	--	265	7.5
JUNE											
06...	--	--	--	--	--	--	78	28	50	--	--
06...	--	--	--	--	--	--	--	--	--	237	7.6
JULY											
11...	8.0	.07	2.9	156	107	.21	90	28	62	273	7.2
11...	--	--	--	--	--	--	--	--	--	270	7.2
AUG.											
15...	7.9	1.3	6.1	187	122	.25	95	94	1	333	6.7
15...	--	--	--	--	--	--	--	--	--	325	6.3
SEP.											
12...	14	1.1	6.6	212	62.6	.29	117	39	78	356	7.5
12...	--	--	--	--	--	--	--	--	--	400	6.9

QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	PHENOLS (UG/L)
OCT.											
12...	2	14.0	15.0	--	--	--	--	--	20	.6	--
12...	--	14.0	15.0	9.7	93	55000	20000	14000	--	--	--
NOV.											
09...	2	6.5	2.0	--	--	--	--	--	--	--	--
09...	--	6.5	2.0	11.5	96	250000	12000	8200	--	--	--
DEC.											
08...	6	4.0	2.5	--	--	--	--	--	--	--	--
08...	--	4.0	2.5	12.0	91	42000	11000	5500	--	--	--
JAN.											
11...	8	3.0	5.0	--	--	--	--	--	--	--	--
11...	--	3.0	5.0	10.5	78	60000	5800	7500	--	--	--
FEB.											
08...	3	2.0	.5	--	--	--	--	--	--	--	--
08...	--	2.0	.5	10.8	77	84000	19000	17000	--	--	--
MAR.											
07...	3	2.0	4.0	--	--	--	--	--	--	--	--
07...	--	2.0	4.0	12.5	90	53000	2600	3600	--	--	--
APR.											
11...	8	6.5	5.0	--	--	--	--	--	--	--	--
11...	--	6.5	5.0	11.5	96	160000	15000	8600	--	--	--
MAY											
09...	1	16.0	7.5	--	--	--	--	--	--	--	--
09...	--	16.0	7.5	10.5	101	10000	500	360	--	--	--
JUNE											
08...	1	19.5	21.0	--	--	--	--	--	--	--	--
08...	--	19.5	21.0	7.3	78	3000	700	500	--	--	--
JULY											
11...	1	21.0	30.0	--	--	--	--	--	26	.7	3
11...	--	21.0	30.0	6.9	77	120000	27000	4800	--	--	--
AUG.											
15...	8	20.5	19.5	--	--	--	--	--	26	.7	--
15...	--	20.5	19.5	7.5	83	2500	1200	2300	--	--	--
SEP.											
12...	1	20.0	23.0	--	--	--	--	--	29	.9	--
12...	--	20.0	23.0	7.5	82	10000	400	60	--	--	--

01199000 HOLLENBECK RIVER AT HUNTSVILLE, CONN.

LOCATION.--Lat 41°56'59", long 73°19'10", Litchfield County, at gaging station on State Highway 63, 0.5 mile northwest of Huntsville.

DRAINAGE AREA.--18.1 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECI-FIC CON-DUCTANCE (MICRO-MHOS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)
OCT.						
27...	1245	S	4.5	300	11.0	10.0
NOV.						
17...	1030	S	91	160	4.0	8.5
DEC.						
22...	1105	S	15	171	.5	-1.0
JAN.						
19...	1145	S	11	100	.0	--
MAR.						
18...	1200	S	40	124	1.0	1.5
APR.						
05...	1140	S	116	97	5.0	4.0
MAY						
20...	0935	S	30	136	16.0	24.5
JUNE						
23...	1005	S	1.7	150	22.0	25.5
JULY						
27...	0930	S	1.6	270	20.5	27.5
AUG.						
17...	--	S	1.9	--	26.0	--
19...	--	S	2.5	--	25.0	--
SEP.						
27...	--	S	10	--	--	--

01198800 HOLLENBECK RIVER AT HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
20...	0905	3	10	--	--	--	--	--	--	--	--
NOV.											
17...	1050	2	15	5.8	120	0	18	9.2	3.1	1.4	77
17...	1050	3	15	--	--	--	--	--	--	--	--
DEC.											
15...	1118	3	52	--	--	--	--	--	--	--	--
JAN.											
19...	1455	3	47	--	--	--	--	--	--	--	--
FEB.											
16...	1255	3	60	--	--	--	--	--	--	--	--
MAR.											
16...	1200	3	36	--	--	--	--	--	--	--	--
APR.											
19...	1235	3	125	--	--	--	--	--	--	--	--
MAY											
17...	1110	2	108	4.6	100	0	10	3.9	2.3	.8	38
17...	1110	3	108	--	--	--	--	--	--	--	--
JUNE											
14...	1000	3	68	--	--	--	--	--	--	--	--
JULY											
19...	1100	2	27	6.3	140	20	21	8.7	3.4	1.2	95
19...	1100	3	27	--	--	--	--	--	--	--	--
AUG.											
24...	1030	3	5.8	--	--	--	--	--	--	--	--
SEP.											
20...	1025	3	5.2	--	--	--	--	--	--	--	--

01198800 HOLLENBECK RIVER AT HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS_ SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)
OCT.											
20...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
17...	0	13	5.7	.1	.005	.02	.02	.03	.002	.01	.20
17...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
19...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
16...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
16...	--	--	--	--	--	--	--	--	--	--	--
APR.											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	0	12	3.0	.1	.007	.02	.15	.19	.024	.08	.30
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
14...	--	--	--	--	--	--	--	--	--	--	--
JULY											
19...	0	12	4.6	.0	.031	.10	.09	.12	.013	.04	.09
19...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
24...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
20...	--	--	--	--	--	--	--	--	--	--	--

01198800 HOLLENBECK RIVER AT HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS- SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)
OCT.										
20...	--	--	--	--	--	--	--	--	--	175
NOV.										
17...	.8	.14	.36	95	3.85	.13	83	20	63	164
17...	--	--	--	--	--	--	--	--	--	148
DEC.										
15...	--	--	--	--	--	--	--	--	--	122
JAN.										
19...	--	--	--	--	--	--	--	--	--	150
FEB.										
16...	--	--	--	--	--	--	--	--	--	140
MAR.										
16...	--	--	--	--	--	--	--	--	--	160
APR.										
19...	--	--	--	--	--	--	--	--	--	100
MAY										
17...	1.3	4.0	4.4	61	17.8	.08	41	10	31	98
17...	--	--	--	--	--	--	--	--	--	100
JUNE										
14...	--	--	--	--	--	--	--	--	--	138
JULY										
19...	.4	.41	.60	105	7.65	.14	88	10	78	192
19...	--	--	--	--	--	--	--	--	--	200
AUG.										
24...	--	--	--	--	--	--	--	--	--	270
SEP.										
20...	--	--	--	--	--	--	--	--	--	310

DATE	PH (UNITS)	TEMP- ERATURE (DEG C)	AIR TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT.										
20...	7.9	11.0	14.0	9.0	81	140	20	3	--	--
NOV.										
17...	7.4	4.0	6.0	--	--	--	--	--	7	.1
17...	7.6	4.0	6.0	10.0	76	110	16	34	--	--
DEC.										
15...	8.0	2.0	1.0	10.6	76	35	8	80	--	--
JAN.										
19...	8.1	2.0	8.0	11.2	81	30	12	44	--	--
FEB.										
16...	7.8	2.0	1.0	7.5	54	500	120	3	--	--
MAR.										
16...	7.8	2.0	9.5	11.5	83	60	4	4	--	--
APR.										
19...	8.0	9.0	26.0	8.7	75	40	1	22	--	--
MAY										
17...	7.4	13.0	22.0	--	--	--	--	--	11	.2
17...	7.7	13.0	22.0	8.2	77	1000	270	42	--	--
JUNE										
14...	7.5	13.5	26.0	8.4	80	1100	18	44	--	--
JULY										
19...	8.2	23.0	32.0	--	--	--	--	--	8	.2
19...	7.7	23.0	32.0	7.2	83	84	44	29	--	--
AUG.										
24...	6.8	20.0	26.5	8.7	95	4700	220	100	--	--
SEP.										
20...	6.7	14.0	16.0	10.0	96	110	80	140	--	--

01198851 WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN.

LOCATION.--Lat 41°57'11", long 73°16'47", Litchfield County, at gaging station on left bank, 10 feet downstream from Under Mountain Road, 1.8 miles northeast of Huntsville.

DRAINAGE AREA.--5.32 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)
OCT.						
22...	1510	3	--	445	11.5	16.0
28...	1500	3	1.7	365	9.0	14.0
29...	1125	3	1.4	340	7.0	15.0
NOV.						
17...	1130	3	7.7	126	4.0	8.5
DEC.						
23...	1210	3	3.4	164	1.0	-3.0
JAN.						
22...	1125	3	4.1	160	.0	3.0
FEB.						
04...	1320	3	1.9	185	.0	-2.0
24...	1215	3	11	150	.5	2.5
MAR.						
18...	1355	3	19	120	2.0	3.5
APR.						
05...	1450	3	33	95	2.0	5.0
MAY						
20...	1205	3	10	175	15.5	27.0
JUNE						
23...	1308	3	.57	210	22.0	27.0
JULY						
21...	0942	3	.12	245	19.5	23.0
22...	1150	3	.11	248	22.0	29.0
AUG.						
18...	--	3	.01	--	27.0	--
SEP.						
27...	--	3	2.6	--	--	--

01198851 WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
OCT.											
19...	0920	3	3.0	--	--	--	--	--	--	--	--
NOV.											
16...	1135	2	4.1	4.5	80	0	18	9.2	1.5	.7	78
16...	1135	3	4.1	--	--	--	--	--	--	--	--
DEC.											
14...	1050	3	16	--	--	--	--	--	--	--	--
JAN.											
18...	1110	3	11	--	--	--	--	--	--	--	--
FEB.											
15...	1100	3	10	--	--	--	--	--	--	--	--
MAR.											
14...	1240	3	9.0	--	--	--	--	--	--	--	--
APR.											
18...	1032	3	41	--	--	--	--	--	--	--	--
MAY											
16...	1145	2	76	3.5	120	0	9.2	3.9	1.2	.5	33
16...	1145	3	76	--	--	--	--	--	--	--	--
JUNE											
13...	1000	3	16	--	--	--	--	--	--	--	--
JULY											
18...	1130	2	5.4	3.3	120	10	16	6.3	1.5	.8	70
18...	1130	3	5.4	--	--	--	--	--	--	--	--
AUG.											
23...	1150	3	.65	--	--	--	--	--	--	--	--
SEP.											
19...	1115	3	2.6	--	--	--	--	--	--	--	--

01198851 WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
19...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
16...	0	14	2.7	.1	.030	.09	.05	.06	.001	.00	.02
16...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
14...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
18...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
15...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
14...	--	--	--	--	--	--	--	--	--	--	--
APR.											
18...	--	--	--	--	--	--	--	--	--	--	--
MAY											
16...	0	17	1.2	.1	.013	.04	.09	.12	.005	.02	.06
16...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
13...	--	--	--	--	--	--	--	--	--	--	--
JULY											
18...	0	12	2.4	.1	.020	.06	.12	.15	.001	.00	.06
18...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
23...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
19...	--	--	--	--	--	--	--	--	--	--	--

01198451 WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.										
19...	--	--	--	--	--	--	--	--	--	177
NOV.										
16...	.0	.30	.37	90	1.00	.12	83	19	64	153
16...	--	--	--	--	--	--	--	--	--	122
DEC.										
14...	--	--	--	--	--	--	--	--	--	112
JAN.										
18...	--	--	--	--	--	--	--	--	--	119
FEB.										
15...	--	--	--	--	--	--	--	--	--	131
MAR.										
14...	--	--	--	--	--	--	--	--	--	128
APR.										
18...	--	--	--	--	--	--	--	--	--	81
MAY										
16...	.2	3.4	3.5	57	11.8	.08	39	12	27	80
16...	--	--	--	--	--	--	--	--	--	95
JUNE										
13...	--	--	--	--	--	--	--	--	--	119
JULY										
18...	.2	.22	.40	77	1.12	.10	66	8	57	136
18...	--	--	--	--	--	--	--	--	--	235
AUG.										
23...	--	--	--	--	--	--	--	--	--	200
SEP.										
19...	--	--	--	--	--	--	--	--	--	160

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
19...	8.1	9.0	14.5	10.0	86	120	1	6	--	--
NOV.										
16...	7.5	4.0	5.5	--	--	--	--	--	4	.1
16...	8.1	4.0	5.5	9.3	76	42	4	28	--	--
DEC.										
14...	7.9	1.0	2.0	11.5	81	280	44	54	--	--
JAN.										
18...	8.1	2.0	4.0	8.4	60	7	1	0	--	--
FEB.										
15...	8.1	1.0	12.0	8.5	60	720	240	80	--	--
MAR.										
14...	6.7	1.0	-2.0	12.7	90	1700	96	44	--	--
APR.										
18...	7.6	4.0	15.0	11.0	83	30	4	6	--	--
MAY										
16...	7.5	11.0	17.5	--	--	--	--	--	6	.1
16...	8.3	11.0	17.5	10.0	90	900	80	160	--	--
JUNE										
13...	7.2	12.0	18.0	8.8	81	940	210	38	--	--
JULY										
18...	8.0	21.0	32.0	--	--	--	--	--	5	.1
18...	7.5	21.0	32.0	7.2	80	56	40	46	--	--
AUG.										
23...	6.8	18.0	26.0	6.5	69	280	8	36	--	--
SEP.										
19...	6.7	16.0	20.0	8.5	86	280	200	200	--	--

01198860 DEMING BROOK NEAR HUNTSVILLE, CONN.

LOCATION.--Lat 41°57'52", long 73°18'07", Litchfield County, at gaging station on left bank, 20 feet downstream from Under Mountain Road, 0.60 mile upstream from mouth, and 1.5 miles northeast of Huntsville.

DRAINAGE AREA.--1.08 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)
OCT.						
29...	1410	9	.10	645	8.4	15.0
NOV.						
17...	1255	3	1.3	145	4.0	10.5
DEC.						
13...	1335	3	.62	175	.5	-6.0
JAN.						
22...	1250	9	.49	160	.0	7.0
FEB.						
04...	1450	3	.35	180	.0	-4.0
MAR.						
18...	1505	3	1.9	120	2.5	4.0
APR.						
05...	1400	3	5.6	98	2.0	4.0
MAY						
20...	1340	3	5.1	130	14.5	25.0
JUNE						
23...	1340	3	.10	270	16.5	28.0
JULY						
22...	1300	3	.02	250	15.0	26.0
SEP.						
27...	--	9	.41	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)
OCT.							
19...	--	9	.56	150	--	11.0	--
NOV.							
18...	--	9	1.0	132	--	4.0	9.0
DEC.							
14...	1218	3	5.6	116	--	2.5	1.5
JAN.							
18...	1330	9	1.7	145	--	.0	6.0
FEB.							
16...	1415	9	2.8	140	7.5	1.0	3.0
MAR.							
16...	1415	9	1.7	160	7.6	2.0	8.5
APR.							
18...	1457	9	7.0	102	7.1	7.0	18.0
MAY							
16...	1330	3	17	86	8.3	11.5	20.0
JUNE							
14...	1300	9	3.0	140	7.0	14.0	22.0
JULY							
18...	1330	9	.50	230	7.4	19.0	30.0
AUG.							
23...	1300	9	.55	270	6.8	17.0	28.0
SEP.							
19...	1230	9	.33	275	6.8	17.0	20.0

01198870 LEDGY BROOK NEAR HUNTSVILLE, CONN.

LOCATION.--Lat 41°58'02", long 73°18'26", Litchfield County, at gaging station on left bank at bridge on Undermountain Road, and 1.6 miles northeast of Huntsville.

DRAINAGE AREA.--0.66 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)
OCT.						
22...	1130	9	.05	207	14.0	17.0
28...	1445	9	.11	265	12.0	10.0
NOV.						
17...	1330	9	.90	84	5.5	13.0
DEC.						
23...	1345	9	.37	100	.0	3.0
JAN.						
10...	1500	9	.33	98	.0	--
27...	1345	9	.35	97	.0	5.0
FEB.						
24...	1130	9	.10	113	.0	-5.0
24...	1115	9	1.2	90	.5	2.0
MAR.						
18...	1240	9	3.3	92	3.0	4.0
APR.						
28...	--	9	.90	115	6.0	8.0
MAY						
20...	1050	9	1.0	114	13.5	24.0
JUNE						
23...	1145	9	.05	230	25.0	27.0
JULY						
22...	1110	9	.01	315	23.5	29.0
SEP.						
27...	--	9	.25	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
OCT.												
19..	1145	9	.33	105	8.0	13.0	24.5	7.7	77	130	40	100
NOV.												
16..	1350	9	.45	73	8.1	7.0	8.0	9.3	76	62	6	20
DEC.												
14..	1235	9	1.6	88	7.7	3.0	2.0	9.0	90	10	7	3
JAN.												
18..	1145	9	.94	130	8.1	3.0	4.0	9.0	88	7	0	0
FEB.												
18..	1230	9	1.5	85	8.0	3.0	13.0	7.0	52	10	0	4
MAR.												
16..	1345	9	1.0	116	8.1	2.0	-1.5	8.8	61	0	0	0
APR.												
18..	1200	9	6.0	75	8.1	5.0	14.0	10.5	82	7	1	0
MAY												
16..	1117	9	2.7	57	8.6	10.5	20.5	8.7	78	17	3	6
JUNE												
13..	1115	9	2.3	113	7.8	11.0	19.5	8.2	76	51	6	4
JULY												
19..	1150	9	.61	235	7.6	24.0	34.0	--	--	--	--	--
AUG.												
22..	1330	9	.03	240	7.3	28.0	27.5	--	--	--	--	--
SEP.												
19..	1300	9	.07	280	7.5	19.0	20.0	--	--	--	--	--

01199880 WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN.

LOCATION.--Lat 41°57'42", long 73°18'52", Litchfield County, at gaging station on right bank just downstream from Barnes Road, 1.1 miles east of South Canaan.

DRAINAGE AREA.--10.1 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)
OCT.						
27...	1445	[illegible]	9.7	290	11.0	15.0
29...	1400	[illegible]	9.0	270	7.0	7.0
NOV.						
17...	1030	[illegible]	13	185	5.0	7.0
DEC.						
23...	1440	[illegible]	6.6	221	.5	-5.0
JAN.						
18...	1145	[illegible]	9.0	215	.0	--
FEB.						
04...	1000	[illegible]	9.7	250	.0	-5.0
24...	1020	[illegible]	26	178	.5	.5
MAR.						
18...	1050	[illegible]	60	144	1.0	5.0
APR.						
28...	1330	[illegible]	99	118	5.0	4.0
MAY						
20...	1340	[illegible]	11	177	17.0	25.0
JUNE						
25...	1125	[illegible]	1.6	285	22.5	26.0
JULY						
22...	1040	3	.32	304	20.0	26.5
AUG.						
18...	--	[illegible]	.25	--	21.5	--
SEP.						
17...	--	[illegible]	4.0	--	--	--

[illegible] WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
NOV.											
[illegible]...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
DEC.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
JAN.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
FEB.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
MAR.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
APR.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
MAY											
[illegible]...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
JUNE											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
JULY											
[illegible]...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
AUG.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--
SEP.											
[illegible]...	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--

[illegible] WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
[illegible]...	0	16	2.6	.1	.003	.01	.04	.05	.000	.00	.05
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
APR.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
MAY											
[illegible]...	0	11	1.9	.1	.011	.03	.04	.05	.009	.03	.10
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
JULY											
[illegible]...	0	12	1.5	.1	.040	.12	.22	.28	.010	.03	.09
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
[illegible]...	--	--	--	--	--	--	--	--	--	--	--

HOUSATONIC RIVER BASIN

01198880 WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)
OCT.										
19...	--	--	--	--	--	--	--	--	--	200
NOV.										
16...	.2	.15	.24	117	2.18	.16	110	18	92	206
16...	--	--	--	--	--	--	--	--	--	200
DEC.										
14...	--	--	--	--	--	--	--	--	--	145
JAN.										
18...	--	--	--	--	--	--	--	--	--	185
FEB.										
15...	--	--	--	--	--	--	--	--	--	180
MAR.										
16...	--	--	--	--	--	--	--	--	--	190
APR.										
18...	--	--	--	--	--	--	--	--	--	110
MAY										
16...	.6	4.1	4.2	76	33.0	.10	62	13	49	122
16...	--	--	--	--	--	--	--	--	--	130
JUNE										
13...	--	--	--	--	--	--	--	--	--	160
JULY										
18...	.6	.63	.75	125	4.08	.17	112	9	103	222
18...	--	--	--	--	--	--	--	--	--	225
AUG.										
23...	--	--	--	--	--	--	--	--	--	280
SEP.										
19...	--	--	--	--	--	--	--	--	--	285

DATE	PH (UNITS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.										
19...	7.7	12.5	20.0	6.5	61	220	35	34	--	--
NOV.										
16...	7.5	5.0	6.0	--	--	--	--	--	3	.1
16...	7.6	5.0	6.0	12.4	97	80	27	78	--	--
DEC.										
14...	7.6	3.0	1.5	9.5	70	88	31	41	--	--
JAN.										
18...	7.4	2.0	7.0	9.5	68	2	1	3	--	--
FEB.										
15...	7.9	2.0	12.0	8.0	57	60	10	40	--	--
MAR.										
16...	7.4	1.0	-1.0	8.5	60	27	3	35	--	--
APR.										
18...	7.7	10.0	18.0	9.2	81	5	0	4	--	--
MAY										
16...	7.5	15.0	21.0	--	--	--	--	--	6	.1
16...	8.1	15.0	21.0	9.3	91	1000	520	400	--	--
JUNE										
13...	7.4	13.0	20.0	7.0	65	100	42	60	--	--
JULY										
18...	7.9	24.0	34.0	--	--	--	--	--	4	.1
18...	7.2	24.0	34.0	6.9	91	560	300	62	--	--
AUG.										
23...	6.8	20.0	27.5	7.5	82	2700	96	100	--	--
SEP.										
19...	6.8	18.0	16.5	9.0	95	1300	280	640	--	--

01198900 FALLS VILLAGE RESERVOIR AT FALLS VILLAGE, CONN.

LOCATION.--Lat 41°57'45", long 73°22'18", Litchfield County, on Housatonic River at Great Falls, 0.4 mile upstream from hydroelectric plant of Hartford Electric Light Company and gaging station at Falls Village.

DRAINAGE AREA.--629 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956.
Water temperatures: October 1955 to September 1972.

EXTREMES.--1971-72:
Water temperatures: Maximum, 24.5°C July 23, 24; minimum, freezing point on many days during winter months.

Period of record:
Water temperatures: Maximum, 27.0°C June 20, 1957; minimum, freezing point on many days during winter months.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	14.5	2.5	1.5	0.0	0.5	4.0	11.5	17.0	19.0	21.0	21.5
2	16.0	14.0	1.5	1.0	0.0	0.5	4.5	13.0	16.0	19.0	21.0	21.0
3	16.5	14.5	0.0	0.5	0.0	0.5	5.0	13.0	17.0	19.0	21.0	20.5
4	17.0	13.5	0.0	0.5	0.0	0.5	4.0	13.0	17.5	18.0	21.0	20.0
5	17.0	11.5	0.0	0.5	0.0	0.5	2.5	11.0	18.0	17.5	21.0	19.0
6	16.5	10.0	0.5	0.5	0.0	0.0	3.0	11.5	17.5	17.5	20.5	18.5
7	16.0	9.0	1.0	0.5	0.0	1.0	3.0	12.0	17.5	17.0	20.5	18.0
8	15.0	7.5	1.5	0.5	0.0	2.0	3.0	12.5	16.5	17.0	20.5	18.5
9	14.5	5.5	2.0	0.5	0.0	1.0	3.5	11.0	16.0	18.0	20.5	18.0
10	14.0	5.0	2.5	0.5	0.0	0.5	3.5	9.0	15.0	19.5	20.0	18.0
11	13.0	5.0	3.0	0.5	0.0	1.0	4.0	9.0	14.5	19.0	19.0	18.0
12	13.0	4.5	3.5	0.5	0.0	1.0	5.0	9.5	14.0	20.0	19.5	18.0
13	12.0	4.5	3.5	2.0	0.0	1.5	4.5	10.0	14.5	21.0	20.0	18.5
14	12.0	4.0	3.5	2.0	0.0	2.5	5.0	12.0	15.5	20.5	20.0	18.5
15	13.5	4.0	3.5	0.5	0.0	1.5	5.5	13.5	16.5	21.0	20.0	18.0
16	14.0	4.0	3.5	0.5	0.5	1.0	6.0	14.0	18.5	22.0	19.0	18.5
17	13.5	4.0	4.0	0.5	0.5	3.0	6.0	14.5	18.5	23.0	19.0	19.5
18	14.0	4.0	3.0	0.5	0.5	2.0	7.0	15.5	19.0	23.0	19.0	18.5
19	14.0	5.0	2.0	0.5	0.5	1.5	8.0	16.0	19.0	24.0	19.5	19.5
20	14.0	5.5	1.0	0.5	0.5	1.0	10.0	16.0	18.5	24.0	19.5	18.5
21	13.0	5.5	1.5	0.5	0.5	2.0	6.0	16.0	19.0	24.0	20.0	18.0
22	13.0	5.5	2.0	0.5	0.5	4.0	7.0	16.0	19.0	24.0	20.5	17.5
23	13.0	4.0	0.5	1.0	0.5	3.0	7.5	16.5	18.0	24.5	21.0	17.0
24	13.0	3.0	3.0	2.0	0.5	2.5	8.0	17.0	17.0	24.5	22.0	16.5
25	13.0	3.0	3.0	3.0	0.5	2.0	8.0	17.5	16.0	23.5	22.5	16.0
26	13.0	3.0	3.0	1.0	0.5	1.5	8.0	17.0	15.0	23.0	23.0	18.0
27	13.0	2.5	3.0	0.0	0.5	1.5	8.0	17.5	14.5	22.0	23.5	18.0
28	14.0	2.0	3.0	0.0	0.5	2.0	9.0	18.0	16.0	21.5	24.0	18.0
29	14.0	2.0	3.0	0.0	0.5	2.5	8.0	18.5	17.5	21.5	23.5	18.0
30	14.0	2.5	3.0	0.0	---	4.5	9.0	18.5	19.0	22.0	22.0	17.0
31	14.0	---	2.5	0.0	---	4.5	---	18.0	---	22.0	22.0	---
MONTH	14.0	6.0	2.0	0.5	0.0	1.5	6.0	14.0	17.0	21.0	21.0	18.5

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.

LOCATION.--Lat 41°57'26", long 73°22'11", Litchfield County, at gaging station on left bank at hydroelectric plant at Hartford Electric Light Co., at Falls Village, 1.4 miles downstream from Hollenbeck River, and at mile 75.9.

DRAINAGE AREA.--634 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TYPE	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)
OCT.						
22...	1305	3	161	330	10.0	15.0
DEC.						
18...	--	3	--	370	1.0	--
JAN.						
22...	--	3	186	390	.5	6.0
FEB.						
04...	1535	3	400	385	1.0	-3.0
MAR.						
19...	1300	3	1900	250	3.0	2.5
APR.						
21...	1215	3	2650	270	10.0	21.0
MAY						
21...	0920	3	1420	240	17.5	16.0
JUNE						
23...	1430	3	510	325	25.0	27.0
JULY						
22...	1300	3	315	325	26.0	28.0

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT,											
20...	1130	3	880	--	--	--	--	--	--	--	--
NOV,											
17...	1230	2	1280	3.0	150	60	33	11	9.7	1.4	131
17...	1230	3	1280	--	--	--	--	--	--	--	--
DEC,											
15...	1230	3	2150	--	--	--	--	--	--	--	--
JAN,											
19...	1215	3	1615	--	--	--	--	--	--	--	--
FEB,											
16...	0955	3	1650	--	--	--	--	--	--	--	--
MAR,											
16...	1000	3	1300	--	--	--	--	--	--	--	--
APR,											
19...	1400	3	3800	--	--	--	--	--	--	--	--
MAY											
17...	1255	2	3700	3.5	90	0	24	6.7	5.6	.9	84
17...	1255	3	3700	--	--	--	--	--	--	--	--
JUNE											
14...	1125	3	2000	--	--	--	--	--	--	--	--
JULY											
19...	1230	2	1400	3.3	170	20	35	11	8.6	1.4	140
19...	1230	3	1400	--	--	--	--	--	--	--	--
AUG,											
24...	1230	3	190	--	--	--	--	--	--	--	--
SEP,											
20...	1320	3	135	--	--	--	--	--	--	--	--

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
20...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
17...	0	20	13	.1	.12	.37	.19	.25	.009	.03	.30
17...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
19...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
16...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
16...	--	--	--	--	--	--	--	--	--	--	--
APR.											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	0	13	9.5	.1	.028	.09	.05	.06	.000	.00	.73
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
14...	--	--	--	--	--	--	--	--	--	--	--
JULY											
19...	0	19	13	.3	.12	.37	.25	.32	.280	.92	.40
19...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
24...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
20...	--	--	--	--	--	--	--	--	--	--	--

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS- SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)
OCT.										
20...	--	--	--	--	--	--	--	--	--	260
NOV.										
17...	1.3	.30	.70	159	550	.22	128	20	107	284
17...	--	--	--	--	--	--	--	--	--	245
DEC.										
15...	--	--	--	--	--	--	--	--	--	230
JAN.										
10...	--	--	--	--	--	--	--	--	--	290
FEB.										
16...	--	--	--	--	--	--	--	--	--	285
MAR.										
16...	--	--	--	--	--	--	--	--	--	295
APR.										
10...	--	--	--	--	--	--	--	--	--	170
MAY										
17...	3.2	4.5	5.2	112	1120	.15	88	19	69	193
17...	--	--	--	--	--	--	--	--	--	210
JUNE										
14...	--	--	--	--	--	--	--	--	--	252
JULY										
19...	2.6	1.1	2.2	164	709	.22	130	18	115	294
19...	--	--	--	--	--	--	--	--	--	285
AUG.										
24...	--	--	--	--	--	--	--	--	--	360
SEP.										
20...	--	--	--	--	--	--	--	--	--	390

01199000 HOUSATONIC RIVER AT FALLS VILLAGE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.										
20...	7.9	14.0	19.0	7.5	72	250	75	20	--	--
NOV.										
17...	7.4	4.5	8.0	--	--	--	--	--	14	.4
17...	7.7	4.5	8.0	8.1	62	2000	240	860	--	--
DEC.										
15...	7.3	2.0	3.0	9.7	70	4800	920	800	--	--
JAN.										
19...	7.7	2.0	11.5	10.0	72	420	300	460	--	--
FEB.										
16...	7.6	1.0	.0	8.2	58	18000	2200	760	--	--
MAR.										
16...	7.3	1.5	9.5	8.4	60	2000	160	340	--	--
APR.										
19...	7.9	10.0	27.0	7.5	61	1000	400	230	--	--
MAY										
17...	7.5	14.0	28.0	--	--	--	--	--	12	.3
17...	7.9	14.0	25.0	8.1	79	12000	660	1700	--	--
JUNE										
14...	7.6	16.0	24.5	7.5	75	7000	440	150	--	--
JULY										
19...	7.9	25.0	35.0	--	--	--	--	--	12	.3
19...	7.9	25.0	35.0	7.8	93	3300	280	20	--	--
AUG.										
24...	6.7	22.0	27.5	10.4	1	2000	120	24	--	--
SEP.										
20...	6.5	18.0	23.0	8.5	90	300	120	60	--	--

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven, County, at gaging station on right bank 200 ft upstream from bridge on Poverty Road, 800 ft downstream from Bullet Hill Brook, 0.6 mile west of Southbury, and 5.8 miles upstream from mouth.

DRAINAGE AREA.--75.0 sq mi.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
12...	1510	2	185	8.1	—	—	9.0	2.5	5.4	2.0	21
12...	1510	3	185	—	—	—	—	—	—	—	—
NOV.											
09...	1545	2	91	—	—	—	—	—	—	—	25
09...	1545	3	91	—	—	—	—	—	—	—	—
DEC.											
08...	1415	2	460	—	—	—	—	—	—	—	15
08...	1415	3	460	—	—	—	—	—	—	—	—
JAN.											
11...	1515	2	300	—	—	—	—	—	—	—	16
11...	1515	3	300	—	—	—	—	—	—	—	—
FEB.											
08...	1515	2	125	—	—	—	—	—	—	—	22
08...	1515	3	125	—	—	—	—	—	—	—	—
MAR.											
07...	1400	2	275	—	—	—	—	—	—	—	19
07...	1400	3	275	—	—	—	—	—	—	—	—
APR.											
11...	1505	2	135	—	—	—	—	—	—	—	20
11...	1505	3	135	—	—	—	—	—	—	—	—
MAY											
09...	1515	2	235	—	—	—	—	—	—	—	20
09...	1515	3	235	—	—	—	—	—	—	—	—
JUNE											
06...	1445	2	185	—	—	—	—	—	—	—	22
06...	1445	3	185	—	—	—	—	—	—	—	—
JULY											
11...	1510	2	155	8.8	240	30	10	2.6	5.7	1.2	26
11...	1510	3	155	—	—	—	—	—	—	—	—
AUG.											
15...	1610	2	60	7.7	150	60	12	2.4	7.3	3.5	29
15...	1610	3	60	—	—	—	—	—	—	—	—
SEP.											
12...	1450	2	14	10	60	90	21	4.9	8.4	1.8	48
12...	1450	3	14	—	—	—	—	—	—	—	—

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1961, April 1965 to September 1967, June 1968 to September 1972.
Water temperatures: October 1960 to September 1961, November 1966 to October 1967.

REMARKS.--Records of iron, specific conductance, and pH of 'aily samples for 1960-61 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
12...	0	14	9.3	.1	.030	.09	--	--	--	--	.10
12...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
09...	0	16	11	--	.040	.12	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
08...	0	15	7.3	--	.090	.28	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
11...	0	17	12	--	.11	.34	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
08...	0	17	13	--	.019	.06	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	0	14	11	--	.028	.09	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
APR.											
11...	0	15	11	--	.013	.04	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
MAY											
09...	0	14	10	--	.045	.14	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
06...	0	14	9.0	--	.017	.05	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	0	14	9.2	.1	.048	.15	.23	.30	.010	.03	.60
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
15...	0	16	14	.3	.25	.77	2.2	2.8	.178	.59	2.1
15...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
12...	0	17	19	.8	.23	.71	--	--	.560	1.8	1.6
12...	--	--	--	--	--	--	--	--	--	--	--

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS- SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
OCT.										
12...	2.2	--	63	31.5	.09	33	16	17	104	7.1
12...	--	--	--	--	--	--	--	--	110	7.3
NOV.										
09...	--	--	--	--	--	39	18	20	--	--
09...	--	--	--	--	--	--	--	--	110	7.7
DEC.										
08...	--	--	--	--	--	28	16	12	--	--
08...	--	--	--	--	--	--	--	--	95	7.4
JAN.										
11...	--	--	--	--	--	31	18	13	--	--
14...	--	--	--	--	--	--	--	--	122	7.9
FEB.										
08...	--	--	--	--	--	39	21	18	--	--
08...	--	--	--	--	--	--	--	--	150	7.4
MAR.										
07...	--	--	--	--	--	45	33	12	--	--
07...	--	--	--	--	--	--	--	--	122	7.5
APR.										
11...	--	--	--	--	--	35	19	16	--	6.7
11...	--	--	--	--	--	--	--	--	130	7.5
MAY										
09...	--	--	--	--	--	32	16	16	--	--
09...	--	--	--	--	--	--	--	--	114	7.7
JUNE										
06...	--	--	--	--	--	32	14	18	--	--
06...	--	--	--	--	--	--	--	--	108	7.3
JULY										
11...	2.6	.68	68	28.5	.09	36	14	21	112	7.2
11...	--	--	--	--	--	--	--	--	124	7.3
AUG.										
19...	9.2	--	91	14.7	.12	40	16	24	130	6.8
19...	--	--	--	--	--	--	--	--	132	6.4
SEP.										
12...	6.1	--	115	4.35	.16	73	33	39	195	7.3
12...	--	--	--	--	--	--	--	--	200	6.8

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.										
12...	1	12.0	18.0	--	--	--	--	--	25	.4
12...	--	12.0	18.0	9.7	90	450	400	200	--	--
NOV.										
09...	1	5.0	2.5	--	--	--	--	--	--	--
09...	--	5.0	2.5	10.7	84	180	30	110	--	--
DEC.										
08...	2	5.0	5.0	--	--	--	--	--	--	--
08...	--	5.0	5.0	10.0	78	4500	1300	9800	--	--
JAN.										
11...	2	4.0	12.0	--	--	--	--	--	--	--
11...	--	4.0	12.0	10.0	76	1200	260	180	--	--
FEB.										
08...	1	1.0	-3.0	--	--	--	--	--	--	--
08...	--	1.0	-3.0	10.4	73	660	24	80	--	--
MAR.										
07...	1	3.0	13.5	--	--	--	--	--	--	--
07...	--	3.0	13.5	10.3	76	480	3	63	--	--
APR.										
11...	1	6.0	10.0	--	--	--	--	--	--	--
11...	--	6.0	10.0	8.0	64	56	16	28	--	--
MAY										
09...	1	10.5	7.5	--	--	--	--	--	--	--
09...	--	10.5	7.5	9.8	87	6700	110	190	--	--
JUNE										
06...	1	17.0	21.0	--	--	--	--	--	--	--
06...	--	17.0	21.0	8.3	86	560	82	80	--	--
JULY										
11...	1	21.5	31.0	--	--	--	--	--	25	.4
11...	--	21.5	31.0	7.5	84	56	42	2000	--	--
AUG.										
15...	3	20.5	21.0	--	--	--	--	--	26	.5
15...	--	20.5	21.0	7.6	84	1200	800	4100	--	--
SEP.										
12...	1	20.0	28.0	--	--	--	--	--	20	.4
12...	--	20.0	28.0	7.6	83	3500	11	48	--	--

01205000 LAKE ZOAR AT STEVENSON, CONN.

LOCATION.--Lat 41°23'00", long 73°10'18", Fairfield County, on Housatonic River at tailrace of dam of Connecticut Light and Power Company at Stevenson, 0.2 mile upstream from gaging station, and 0.4 mile upstream from Eightmile Brook.

DRAINAGE AREA.--1,541 sq mi.

PERIOD OF RECORD.--Water temperatures: October 1960 to September 1972.

EXTREMES.--1971-72:
Water temperatures: Maximum, 27.0°C Aug. 25, 26, and 31; minimum 0.0°C Feb. 20, 21, 23-28.

Period of record:
Water temperatures: Maximum, 32.0°C July 17, 1968; minimum, freezing point on many days during winter months.

REMARKS.--Records furnished by the Connecticut Light and Power Company.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 1300)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.5	16.0	6.5	1.0	1.0	0.5	4.0	13.0	18.0	19.0	24.0	26.0
2	20.5	16.0	4.5	0.5	1.0	1.0	4.0	12.0	18.0	19.0	24.0	26.0
3	20.5	15.5	4.5	0.5	1.0	1.0	4.0	12.0	18.0	19.0	25.0	23.0
4	20.0	15.0	4.5	1.5	1.0	0.5	4.0	11.5	18.0	19.0	24.0	23.0
5	21.0	15.0	4.5	2.0	1.0	1.0	4.0	11.0	19.0	20.0	24.0	24.0
6	20.0	15.0	4.0	2.0	1.0	1.0	4.5	10.0	19.0	21.0	25.0	24.0
7	19.0	14.5	5.0	2.0	0.5	1.0	4.5	13.0	---	20.5	24.0	23.0
8	19.0	14.0	4.5	2.0	---	1.0	4.5	13.0	19.5	20.0	24.0	23.0
9	19.0	13.0	4.5	2.0	0.5	1.5	4.5	12.0	20.0	19.5	25.0	22.0
10	19.0	12.0	4.5	1.5	1.0	1.0	5.0	12.0	18.5	21.5	24.0	22.0
11	18.5	12.0	4.5	1.5	1.0	1.0	5.0	13.0	18.5	24.5	24.0	23.0
12	18.0	11.5	4.5	2.0	1.0	1.0	4.0	13.0	19.0	26.0	24.0	25.0
13	18.0	11.5	3.5	2.0	1.0	1.0	5.5	14.0	19.0	20.0	25.0	22.0
14	17.0	11.0	1.5	2.0	1.0	1.0	5.5	14.0	20.0	25.0	25.0	23.0
15	17.0	11.0	1.5	1.0	1.5	1.0	5.0	16.0	18.0	24.0	25.0	23.0
16	18.0	11.0	2.0	1.0	1.5	2.0	6.5	13.0	19.0	26.0	25.0	24.0
17	18.0	11.0	2.0	1.0	---	2.0	7.5	14.0	20.0	26.0	24.0	24.0
18	17.0	10.0	2.0	0.5	1.0	2.0	7.0	15.0	20.0	24.0	24.0	24.0
19	16.5	6.0	1.0	1.0	2.0	2.5	7.0	14.0	19.0	24.0	24.0	24.0
20	17.0	8.0	1.0	1.5	0.0	2.5	9.0	14.0	18.0	25.0	24.0	23.0
21	15.5	8.0	1.0	1.5	0.0	2.5	7.0	15.0	18.0	24.0	25.0	22.0
22	15.5	6.0	1.0	1.5	0.5	2.5	7.0	16.0	19.0	26.0	25.0	22.0
23	15.5	8.0	3.0	2.5	0.0	3.0	9.0	17.0	18.0	25.0	25.0	22.0
24	15.5	6.5	2.0	2.0	0.0	3.0	9.0	18.0	19.0	26.0	26.0	22.0
25	15.5	5.0	2.0	1.5	0.0	3.0	9.0	19.0	19.0	26.0	27.0	22.0
26	15.5	4.5	1.5	1.5	0.0	3.0	9.0	19.0	18.0	25.0	27.0	22.0
27	15.5	4.5	2.0	1.0	0.0	3.0	9.0	19.0	18.0	25.0	26.0	22.0
28	16.0	4.5	2.0	1.0	0.0	4.0	10.0	19.0	19.0	25.0	25.0	23.0
29	15.5	8.0	1.5	1.0	0.5	4.0	10.0	19.0	18.0	25.0	25.0	22.0
30	15.5	8.0	1.0	1.0	---	4.0	10.0	19.0	19.0	24.0	26.0	23.0
31	15.5	---	0.5	1.0	---	4.0	---	18.0	---	24.0	27.0	---
MONTH	17.5	10.5	3.0	1.5	0.5	2.0	6.5	15.0	18.5	23.0	25.0	23.0

01200500 HOUSATONIC RIVER AT STEVENSON, CONN.

LOCATION.--Lat 41°23'02", long 73°10'09", Fairfield County and New Haven County, at gaging station on left bank, 0.2 mile downstream from dam of Connecticut Light and Power Company at Stevenson, 0.2 mile upstream from Eightmile Brook, and at mile 19.2.

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
12...	1400	2	6370	6.6	—	—	23	7.2	7.1	2.1	84
12...	1400	3	6370	—	—	—	—	—	—	—	—
NOV.											
09...	1440	2	3050	—	—	—	—	—	—	—	92
09...	1440	3	3050	—	—	—	—	—	—	—	—
DEC.											
08...	1320	2	13600	—	—	—	—	—	—	—	92
08...	1320	3	13600	—	—	—	—	—	—	—	—
JAN.											
11...	1410	2	5970	—	—	—	—	8.1	—	—	86
11...	1410	3	5970	—	—	—	—	—	—	—	—
FEB.											
08...	1405	2	128	—	—	—	—	—	—	—	78
08...	1405	3	128	—	—	—	—	—	—	—	—
MAR.											
07...	1255	2	5180	—	—	—	—	—	—	—	73
07...	1255	3	5180	—	—	—	—	—	—	—	—
APR.											
11...	1355	2	5560	—	—	—	—	—	—	—	63
11...	1355	3	5560	—	—	—	—	—	—	—	—
MAY											
09...	1410	2	8080	—	—	—	—	—	—	—	76
09...	1410	3	8080	—	—	—	—	—	—	—	—
JUNE											
06...	1345	2	6460	—	—	—	—	—	—	—	87
06...	1345	3	6460	—	—	—	—	—	—	—	—
JULY											
11...	1345	2	5560	5.1	80	0	21	6.6	6.4	1.1	81
11...	1345	3	5560	—	—	—	—	—	—	—	—
AUG.											
15...	1445	2	87	4.4	20	0	26	9.8	6.4	1.8	102
15...	1445	3	87	—	—	—	—	—	—	—	—
SEP.											
12...	1335	2	4240	4.3	30	0	32	10	8.3	1.9	122
12...	1335	3	4240	—	—	—	—	—	—	—	—

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS_ SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)
OCT.											
12...	0	17	12	.1	.040	.12	--	--	--	--	.40
12...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
09...	0	19	12	--	.020	.06	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
08...	0	17	12	--	.060	.18	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
11...	0	18	13	--	.016	.05	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
08...	0	19	14	--	.041	.13	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	0	17	15	--	.040	.12	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
APR.											
11...	0	16	11	--	.011	.03	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
MAY											
09...	0	13	9.5	--	.094	.17	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
06...	0	[illegible]	10	--	.019	.06	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	0	13	7.3	.1	.16	.49	.15	.19	.017	.06	.50
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
15...	0	14	12	.2	.036	.11	.30	.39	.135	.44	.90
15...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
12...	0	16	14	.1	.054	.17	--	--	--	--	.60
12...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS_ SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
OCT.											
12...	1.7	--	--	116	2000	.16	87	18	69	208	7.5
12...	--	--	--	--	--	--	--	--	--	200	7.3
NOV.											
09...	--	--	--	--	--	--	95	20	75	--	--
09...	--	--	--	--	--	--	--	--	--	210	7.7
DEC.											
08...	--	--	--	--	--	--	92	17	75	--	--
08...	--	--	--	--	--	--	--	--	--	240	7.9
JAN.											
11...	--	--	--	--	--	--	90	19	71	--	--
11...	--	--	--	--	--	--	--	--	--	250	8.0
FEB.											
08...	--	--	--	--	--	--	90	26	64	--	--
08...	--	--	--	--	--	--	--	--	--	250	7.6
MAR.											
07...	--	--	--	--	--	--	91	31	60	--	--
07...	--	--	--	--	--	--	--	--	--	240	7.7
APR.											
11...	--	--	--	--	--	--	75	19	56	--	7.0
11...	--	--	--	--	--	--	--	--	--	205	7.1
MAY											
09...	--	--	--	--	--	--	82	20	62	--	--
09...	--	--	--	--	--	--	--	--	--	205	7.4
JUNE											
06...	--	--	--	--	--	--	88	17	71	--	--
06...	--	--	--	--	--	--	--	--	--	215	7.6
JULY											
11...	2.2	.48	1.1	102	1530	.14	80	13	66	181	7.6
11...	--	--	--	--	--	--	--	--	--	180	7.6
AUG.											
15...	3.9	--	--	129	30.3	.18	101	17	84	228	7.9
15...	--	--	--	--	--	--	--	--	--	220	7.5
SEP.											
12...	2.6	--	--	--	--	--	121	21	100	270	7.8
12...	--	--	--	--	--	--	--	--	--	285	6.9

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.										
12...	4	16.0	18.0	--	--	--	--	--	15	.3
12...	--	16.0	18.0	7.4	76	460	840	1400	--	--
NOV.										
09...	1	13.0	5.0	--	--	--	--	--	--	--
09...	--	13.0	5.0	7.5	71	130	9	15	--	--
DEC.										
08...	1	5.0	5.5	--	--	--	--	--	--	--
08...	--	5.0	5.5	11.2	88	6600	130	320	--	--
JAN.										
11...	1	2.0	12.0	--	--	--	--	--	--	--
11...	--	2.0	12.0	8.0	58	15	9	10	--	--
FEB.										
08...	1	2.0	-3.0	--	--	--	--	--	--	--
08...	--	2.0	-3.0	11.2	81	37	5	12	--	--
MAR.										
07...	2	2.0	12.0	--	--	--	--	--	--	--
07...	--	2.0	12.0	8.0	58	270	22	52	--	--
APR.										
11...	2	5.0	9.5	--	--	--	--	--	--	--
11...	--	5.0	9.5	10.7	84	7	2	6	--	--
MAY										
09...	1	12.0	9.0	--	--	--	--	--	--	--
09...	--	12.0	9.0	10.0	92	240	20	16	--	--
JUNE										
06...	1	18.0	21.5	--	--	--	--	--	--	--
06...	--	18.0	21.5	7.0	74	190	56	80	--	--
JULY										
11...	2	20.0	30.0	--	--	--	--	--	11	.2
11...	--	20.0	30.0	6.9	75	88	13	33	--	--
AUG.										
15...	1	24.0	21.0	--	--	--	--	--	12	.3
15...	--	24.0	21.0	13.5	159	4	3	16	--	--
SEP.										
12...	2	22.0	27.0	--	--	--	--	--	13	.3
12...	--	22.0	27.0	8.8	59	560	7	98	--	--

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, at gaging station on downstream side of bridge on State Highway 53, 100 ft south of the intersection of State Highways 53 and 107, 0.8 mile upstream from Saugatuck Reservoir, and 1 mile southwest of Redding.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.											
12...	1215	2	87	9.8	--	--	15	4.3	5.5	2.1	50
12...	1215	3	87	--	--	--	--	--	--	--	--
NOV.											
09...	1253	2	3.2	--	--	--	--	--	--	--	61
09...	1253	3	3.2	--	--	--	--	--	--	--	--
DEC.											
08...	1120	2	540	--	--	--	--	--	--	--	41
08...	1120	3	540	--	--	--	--	--	--	--	--
JAN.											
11...	1300	2	68	--	--	--	--	4.8	--	--	48
11...	1300	3	68	--	--	--	--	--	--	--	--
FEB.											
08...	1220	2	50	--	--	--	--	--	--	--	54
08...	1220	3	50	--	--	--	--	--	--	--	--
MAR.											
07...	1110	2	96	--	--	--	--	--	--	--	38
07...	1110	3	96	--	--	--	--	--	--	--	--
APR.											
11...	1210	2	32	--	--	--	--	--	--	--	52
11...	1210	3	32	--	--	--	--	--	--	--	--
MAY											
09...	1240	2	78	--	--	--	--	--	--	--	46
09...	1240	3	78	--	--	--	--	--	--	--	--
JUNE											
06...	1230	2	54	--	--	--	--	--	--	--	54
06...	1230	3	54	--	--	--	--	--	--	--	--
JULY											
11...	1220	2	38	9.3	280	0	18	4.9	5.3	1.0	62
11...	1220	3	38	--	--	--	--	--	--	--	--
AUG.											
15...	1325	2	17	7.7	140	0	20	5.8	5.4	1.6	68
15...	1325	3	17	--	--	--	--	--	--	--	--
SEP.											
12...	1130	2	4.8	6.8	60	20	21	6.2	4.5	1.7	74
12...	1130	3	4.8	--	--	--	--	--	--	--	--

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.--Continued

DRAINAGE AREA.--20.8 sq mi.

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)
OCT.											
12...	0	12	11	.1	.020	.06	--	--	--	--	.10
12...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
09...	0	15	12	--	.010	.03	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
08...	0	15	10	--	.010	.03	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
11...	0	17	14	--	.006	.02	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
08...	0	19	17	--	.007	.02	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
07...	0	15	13	--	.000	.00	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--
APR.											
11...	0	18	12	--	.008	.02	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
MAY											
09...	0	14	11	--	.025	.08	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
06...	0	14	10	--	.012	.04	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	0	13	8.5	.1	.042	.13	.05	.06	.005	.02	.10
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
15...	0	12	11	.1	.014	.04	.20	.26	.011	.04	.30
15...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
12...	0	14	8.8	.0	.012	.04	--	--	--	--	.02
12...	--	--	--	--	--	--	--	--	--	--	--

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS_ SOLVED NITRATE (NO3) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)
OCT.											
12...	.4	--	--	85	20.0	.12	55	14	41	140	7.3
12...	--	--	--	--	--	--	--	--	--	140	7.4
NOV.											
09...	--	--	--	--	--	--	68	18	50	--	--
09...	--	--	--	--	--	--	--	--	--	165	7.8
DEC.											
08...	--	--	--	25	36.4	.03	50	16	34	--	--
08...	--	--	--	--	--	--	--	--	--	142	7.6
JAN.											
11...	--	--	--	--	--	--	58	19	39	--	--
11...	--	--	--	--	--	--	--	--	--	185	7.8
FEB.											
08...	--	--	--	--	--	--	70	26	44	--	--
08...	--	--	--	--	--	--	--	--	--	275	6.6
MAR.											
07...	--	--	--	--	--	--	60	29	31	--	--
07...	--	--	--	--	--	--	--	--	--	160	7.8
APR.											
11...	--	--	--	--	--	--	61	18	43	--	7.0
11...	--	--	--	--	--	--	--	--	--	180	7.3
MAY											
09...	--	--	--	--	--	--	55	17	38	--	--
09...	--	--	--	--	--	--	--	--	--	160	7.8
JUNE											
06...	--	--	--	--	--	--	58	14	44	--	--
06...	--	--	--	--	--	--	--	--	--	148	7.6
JULY											
11...	--	.43	.58	92	9.44	.13	65	14	51	157	7.8
11...	--	--	--	--	--	--	--	--	--	165	7.6
AUG.											
15...	1.3	--	--	99	4.54	.13	74	18	56	175	7.7
15...	--	--	--	--	--	--	--	--	--	175	6.9
SEP.											
12...	.0	--	--	--	--	--	78	17	61	178	7.3
12...	--	--	--	--	--	--	--	--	--	190	7.1

SAUGATUCK RIVER BASIN

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.										
12...	1	12.0	14.5	--	--	--	--	--	17	.3
12...	--	12.0	14.5	9.8	90	1100	120	1000	--	--
NOV.										
09...	1	5.5	5.5	--	--	--	--	--	--	--
09...	--	5.5	5.5	10.5	83	290	10	92	--	--
DEC.										
08...	1	4.0	8.0	--	--	--	--	--	--	--
08...	--	4.0	8.0	10.4	79	1100	64	940	--	--
JAN.										
11...	1	3.0	12.0	--	--	--	--	--	--	--
11...	--	3.0	12.0	9.2	68	38	75	33	--	--
FEB.										
08...	1	.5	-2.0	--	--	--	--	--	--	--
08...	--	.5	-2.0	10.5	73	120	1	58	--	--
MAR.										
07...	1	2.0	8.5	--	--	--	--	--	--	--
07...	--	2.0	8.5	10.5	76	230	9	41	--	--
APR.										
11...	1	6.0	7.5	--	--	--	--	--	--	--
11...	--	6.0	7.5	10.0	80	60	42	7	--	--
MAY										
09...	1	12.0	9.5	--	--	--	--	--	--	--
09...	--	12.0	9.5	10.4	96	1400	270	480	--	--
JUNE										
06...	1	18.5	21.0	--	--	--	--	--	--	--
06...	--	18.5	21.0	8.4	89	1300	68	100	--	--
JULY										
11...	2	20.5	29.0	--	--	--	--	--	15	.3
11...	--	20.5	29.0	8.1	89	1100	44	280	--	--
AUG.										
15...	1	20.0	20.5	--	--	--	--	--	13	.3
15...	--	20.0	20.5	8.9	97	420	130	620	--	--
SEP.										
12...	1	16.0	24.0	--	--	--	--	--	11	.2
12...	--	16.0	24.0	9.7	98	5100	16	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
THAMES RIVER BASIN												
01123990 - QUINEBAUG RIVER NEAR DUDLEY, MASS. (LAT 42 01 40 LONG 071 57 36)												
NOV., 1971												
16...	1000	2	5.9	250	290	8.8	2.3	15	2.0	14	0	15
CONNECTICUT RIVER BASIN												
01186140 - CRYSTAL RESERVOIR NEAR WINSTED, CONN. (LAT 41 55 00 LONG 073 06 22)												
NOV., 1971												
18...	1600	2	3.2	130	30	4.1	1.3	2.3	.8	10	0	10
01187150 - NEW HARTFORD RES, AT NEW HARTFORD, CONN. (LAT 41 52 10 LONG 072 59 14)												
NOV., 1971												
17...	0930	2	8.6	240	0	3.2	1.2	3.1	.7	10	0	8.9
30...	1645	2	6.8	320	30	2.8	.9	2.2	.7	7	0	10
01187160 - VILLAGE WATER CO. RES. NEW HARTFORD, CONN. (LAT 41 52 47 LONG 072 59 23)												
NOV., 1971												
17...	0945	2	12	370	0	6.0	2.0	5.1	.9	16	0	11
01187500 - BARKHAMSTED RES. NR. BARKHAMSTED, CONN. (LAT 41 54 38 LONG 072 57 15)												
DEC., 1971												
03...	1400	2	3.2	100	160	3.0	.9	2.2	.6	6	0	9.2
01187870 - NEPAUG RES. AT COLLINSVILLE, CONN. (LAT 41 47 54 LONG 072 55 54)												
DEC., 1971												
03...	1130	2	6.8	360	60	3.5	1.4	3.6	1.0	10	0	10
01188450 - BRISTOL RES NO. 1 AT TERRYVILLE, CT. (LAT 41 40 35 LONG 072 59 25)												
NOV., 1971												
19...	1030	2	5.8	120	40	3.0	1.1	3.4	.7	8	0	9.3
01189028 - FARMINGTON RES. AT FARMINGTON, CONN. (LAT 41 42 42 LONG 072 49 36)												
DEC., 1971												
02...	1030	2	5.8	140	0	32	6.6	8.8	.6	71	0	26
01189170 - SIMSBURY RES. AT WEST SIMSBURY, CONN. (LAT 41 53 03 LONG 072 52 06)												
DEC., 1971												
08...	1100	2	5.2	940	150	6.0	1.7	4.0	.8	16	0	10
01190265 - HARTFORD RES. NO. 1 NR W. HARTFORD, CONN. (LAT 41 45 05 LONG 072 46 35)												
DEC., 1971												
03...	1000	2	5.7	80	0	7.0	1.3	3.5	.8	14	0	12
01190605 - HARTFORD RES. NO. 6 NR W. HARTFORD, CONN. (LAT 41 48 32 LONG 072 46 58)												
DEC., 1971												
03...	1600	2	3.3	110	0	3.8	1.0	5.2	.8	13	0	8.8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS_ SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)
THAMES RIVER BASIN--Continued											
01123990 - QUINEBAUG RIVER NEAR DUDLEY, MASS. (LAT 42 01 40 LONG 071 57 36)											
NOV., 1971											
16...	26	.1	---	1.2	.40	---	.20	.8	86	---	31
CONNECTICUT RIVER BASIN--Continued											
01186140 - CRYSTAL RESERVOIR NEAR WINSTED, CONN. (LAT 41 55 00 LONG 073 06 22)											
NOV., 1971											
18...	4.2	.1	.004	.01	.031	.10	.10	.4	33	.04	16
01187150 - NEW HARTFORD RES AT NEW HARTFORD, CONN. (LAT 41 52 10 LONG 072 59 14)											
NOV., 1971											
17...	4.2	.0	.000	.00	.000	.00	.06	.2	35	.05	13
30...	3.4	.0	.004	.02	.007	.02	.03	.1	30	.04	11
01187160 - VILLAGE WATER CO. RES. NEW HARTFORD, CONN. (LAT 41 52 47 LONG 072 59 23)											
NOV., 1971											
17...	8.7	.1	.004	.02	.006	.02	.10	.4	54	.07	23
01187500 - BARKHAMSTED RES. NR. BARKHAMSTED, CONN. (LAT 41 54 38 LONG 072 57 15)											
DEC., 1971											
03...	4.0	.1	.003	.00	.004	.01	.00	.0	26	.04	11
01187870 - NEPAUG RES. AT COLLINSVILLE, CONN. (LAT 41 47 54 LONG 072 55 54)											
DEC., 1971											
03...	6.9	.1	.008	.02	.014	.04	.06	.2	39	.05	15
01188450 - BRISTOL RES NO. 1 AT TERRYVILLE, CT. (LAT 41 40 35 LONG 072 59 25)											
NOV., 1971											
19...	5.5	.0	.005	.02	.005	.02	.00	.0	33	.04	12
01189028 - FARMINGTON RES. AT FARMINGTON, CONN. (LAT 41 42 42 LONG 072 49 36)											
DEC., 1971											
02...	32	.1	.002	.00	.018	.06	.50	2.2	149	.20	110
01189170 - SIMSBURY RES. AT WEST SIMSBURY, CONN. (LAT 41 53 03 LONG 072 52 06)											
DEC., 1971											
08...	9.1	.0	.012	.03	.024	.07	.00	.0	45	.06	22
01190265 - HARTFORD RES. NO. 1 NR W. HARTFORD, CONN. (LAT 41 45 05 LONG 072 46 35)											
DEC., 1971											
03...	5.0	1.2	.25	.76	.26	.80	.10	.4	45	.06	23
01190605 - HARTFORD RES. NO. 6 NR W. HARTFORD, CONN. (LAT 41 48 32 LONG 072 46 58)											
DEC., 1971											
03...	4.7	.2	.056	.17	.061	.19	.00	.0	34	.05	14

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)	TEMP-ERATURE (DEG C)	PER-CENT SATUR-ATION	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
THAMES RIVER BASIN--Continued											
01123990 - QUINEBAUG RIVER NEAR DUDLEY, MASS. (LAT 42 01 40 LONG 071 57 36)											
NOV., 1971											
16...	20	11	152	6.3	--	5.5	83	49	1.2	--	--
CONNECTICUT RIVER BASIN--Continued											
01186140 - CRYSTAL RESERVOIR NEAR WINSTED, CONN. (LAT 41 55 00 LONG 073 06 22)											
NOV., 1971											
18...	7	8	50	6.4	--	7.5	--	23	.3	.03	200
01187150 - NEW HARTFORD RES AT NEW HARTFORD, CONN. (LAT 41 52 10 LONG 072 59 14)											
NOV., 1971											
17...	5	8	49	6.8	--	3.5	--	33	.4	.03	5
30...	5	6	37	6.5	--	2.9	--	29	.3	.03	40
01187160 - VILLAGE WATER CO. RES. NEW HARTFORD, CONN. (LAT 41 52 47 LONG 072 59 23)											
NOV., 1971											
17...	10	13	76	6.8	--	3.0	--	31	.5	.04	5
01187500 - BARKHAMSTED RES. NR. BARKHAMSTED, CONN. (LAT 41 56 38 LONG 072 57 15)											
DEC., 1971											
03...	6	5	41	6.6	1	--	--	29	.3	.02	0
01187870 - NEPAUG RES. AT COLLINSVILLE, CONN. (LAT 41 47 54 LONG 072 55 54)											
DEC., 1971											
03...	6	8	57	7.0	3	--	--	33	.4	.03	5
01188450 - BRISTOL RES NO. 1 AT TERRYVILLE, CT. (LAT 41 40 35 LONG 072 59 25)											
NOV., 1971											
19...	[illegible]	7	48	6.5	--	6.0	--	36	.4	.04	5
01189028 - FARMINGTON RES. AT FARMINGTON, CONN. (LAT 41 42 42 LONG 072 49 36)											
DEC., 1971											
02...	49	58	271	7.2	--	4.0	--	15	.4	.04	10
01189170 - SIMSBURY RES. AT WEST SIMSBURY, CONN. (LAT 41 53 03 LONG 072 52 06)											
DEC., 1971											
08...	9	13	74	6.8	--	9.0	--	27	.4	.02	20
01190265 - HARTFORD RES. NO. 1 NR W. HARTFORD, CONN. (LAT 41 45 05 LONG 072 46 35)											
DEC., 1971											
03...	11	11	73	7.1	0	--	--	24	.3	.01	0
01190605 - HARTFORD RES. NO. 6 NR W. HARTFORD, CONN. (LAT 41 48 32 LONG 072 46 50)											
DEC., 1971											
03...	3	11	61	6.9	1	--	--	44	.6	.02	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
THAMES RIVER BASIN											
01125500 - QUINEBAUG RIVER AT PUTNAM, CONN (LAT 41 54 34 LONG 071 54 48)											
OCT., 1971 02...	1545	2	--	--	--	--	--	--	--	--	--
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)											
JULY, 1972 10...	1140	2	1490	20.0	25.0	--	--	--	--	--	--
AUG. 14...	1125	2	440	21.5	22.0	--	--	--	--	--	--
SEP. 11...	1130	2	422	19.5	19.0	--	--	--	--	--	--
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)											
JULY, 1972 10...	1340	2	155	21.5	26.0	--	--	--	--	--	--
AUG. 14...	1325	2	36	22.0	24.5	--	--	--	--	--	--
SEP. 11...	1200	2	23	17.0	22.5	--	--	--	--	--	--
CONNECTICUT RIVER BASIN											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN (LAT 41 59 14 LONG 072 36 21)											
JUL-DEC 1971	--	6	--	--	--	48	--	21	<1	<2	19
JAN-JUN 1972	--	6	--	--	--	110	--	22	<1	<2	20
JUL-DEC 1972	--	6	--	--	--	51	--	19	<1	<2	17
JULY 13...	0935	2	17000	23.0	21.5	--	--	--	--	--	--
AUG. 17...	1000	2	4520	21.0	23.0	--	--	--	--	--	--
SEP. 14...	0830	2	4040	21.0	23.5	--	8	--	--	--	--
01186140 - CRYSTAL RESERVOIR NEAR WINSTED, CONN. (LAT 41 55 00 LONG 073 06 22)											
NOV., 1971 10...	1600	2	--	7.5	--	--	11	--	--	--	--
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)											
JULY, 1972 12...	1400	2	7.4	18.0	30.0	--	--	--	--	--	--
AUG. 16...	1200	2	6.8	14.0	20.5	--	--	--	--	--	--
01188450 - BRISTOL RESERVOIR NO. 1 AT TERRYVILLE, CONN. (LAT 41 40 35 LONG 072 59 25)											
NOV., 1971 19...	1030	2	--	6.0	--	--	5	--	--	--	--
01189000 - PEQUABUCK RIVER AT FORESTVILLE, CONN. (LAT 41 40 23 LONG 072 54 04)											
OCT., 1971 13...	0830	2	53	--	--	--	--	--	--	--	--
NOV. 10...	0915	2	50	--	--	--	--	--	--	--	--
DEC. 07...	1150	2	319	3.5	--	--	--	--	--	--	--
01189028 - FARMINGTON RESERVOIR AT FARMINGTON, CONN. (LAT 41 42 42 LONG 072 49 36)											
DEC., 1971 02...	1030	2	--	4.0	--	--	2	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED GALLIUM (GA) (UG/L)	DIS- SOLVED GER- MANIUM (GE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
THAMES RIVER BASIN--Continued											
01125900 - QUINEBAUG RIVER AT PUTNAM, CONN (LAT 41 54 34 LONG 071 54 48)											
OCT., 1971 02...	--	--	--	--	--	--	--	--	--	--	--
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)											
JULY, 1972 10...	--	--	0	--	0	--	--	330	2	--	20
AUG. 14...	--	--	0	--	0	--	--	290	2	--	20
SEP. 11...	--	--	0	--	0	--	--	410	2	--	0
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)											
JULY, 1972 10...	--	--	0	--	0	--	--	310	1	--	0
AUG. 14...	--	--	0	--	0	--	--	460	1	--	0
SEP. 11...	--	--	0	--	0	--	--	300	2	--	30
CONNECTICUT RIVER BASIN--Continued											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN (LAT 41 59 14 LONG 072 36 21)											
JUL-DEC 1971	<33	4	--	<2	20	<1	<4	170	11	<10	42
JAN-JUN 1972	<65	5	--	<2	14	<2	<3	280	13	<10	73
JUL-DEC 1972	<14	2	--	<2	8	<1	<2	190	4	<10	32
JULY 13...	--	--	0	--	0	--	--	190	2	--	0
AUG. 17...	--	--	0	--	0	--	--	130	2	--	0
SEP. 14...	--	--	0	--	0	--	--	70	1	--	50
01186140 - CRYSTAL RESERVOIR NEAR WINSTED, CONN. (LAT 41 55 00 LONG 073 06 22)											
NOV., 1971 18...	0	--	0	2	--	--	--	130	0	--	30
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)											
JULY, 1972 12...	--	--	0	--	0	--	--	280	0	--	60
AUG. 16...	--	--	--	--	--	--	--	360	--	--	20
01188450 - BRISTOL RESERVOIR NO. 1 AT TERRYVILLE, CONN. (LAT 41 40 35 LONG 072 59 25)											
NOV., 1971 19...	1	--	0	2	--	--	--	120	0	--	40
01189500 - PEQUABUCK RIVER AT FORESTVILLE, CONN. (LAT 41 40 23 LONG 072 54 04)											
OCT., 1971 13...	3	--	--	--	60	--	--	260	7	--	150
NOV. 10...	3	--	--	--	90	--	--	--	3	--	--
DEC. 07...	1	--	--	--	30	--	--	130	3	--	40
01189028 - FARMINGTON RESERVOIR AT FARMINGTON, CONN. (LAT 41 42 42 LONG 072 49 36)											
DEC., 1971 02...	0	--	0	2	--	--	--	140	4	--	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
THAMES RIVER BASIN--Continued											
01125500 - QUINEBAUG RIVER AT PUTNAM,CONN (LAT 41 54 34 LONG 071 54 48)											
OCT., 1971 02...	<.5	--	--	--	--	--	--	--	--	--	--
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)											
JULY, 1972 10...	--	--	--	0	--	--	--	--	--	0	--
AUG. 14...	--	--	--	0	--	--	--	--	--	0	--
SEP. 11...	--	--	--	0	--	--	--	--	--	0	--
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)											
JULY, 1972 10...	--	--	--	0	--	--	--	--	--	0	--
AUG. 14...	--	--	--	0	--	--	--	--	--	0	--
SEP. 11...	--	--	--	0	--	--	--	--	--	0	--
CONNECTICUT RIVER BASIN--Continued											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE, CONN (LAT 41 59 14 LONG 072 36 21)											
JUL-DEC 1971	--	<1	8	--	<1	69	<2	3	2.0	<150	<3
JAN-JUN 1972	--	<1	12	--	<1	59	<2	5	3.0	<60	<3
JUL-DEC 1972	--	<1	6	--	<1	58	<2	2	2.0	<100	<3
JULY 13...	--	--	--	0	--	--	--	--	--	0	--
AUG. 17...	--	--	--	2	--	--	--	--	--	0	--
SEP. 14...	--	--	--	2	--	--	--	--	--	0	--
01186140 - CRYSTAL RESERVOIR NEAR WINSTED, CONN. (LAT 41 53 00 LONG 073 06 22)											
NOV., 1971 18...	<.5	--	--	--	--	--	--	--	--	0	--
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)											
JULY, 1972 12...	--	--	--	0	--	--	--	--	--	0	--
AUG. 16...	--	--	--	0	--	--	--	--	--	--	--
01188450 - BRISTOL RESERVOIR NO. 1 AT TERRYVILLE, CONN. (LAT 41 40 35 LONG 072 59 25)											
NOV., 1971 19...	<.5	--	--	--	--	--	--	--	--	0	--
01189000 - PEQUABUCK RIVER AT FORESTVILLE, CONN. (LAT 41 40 23 LONG 072 54 04)											
OCT., 1971 13...	--	--	--	--	--	--	--	--	--	220	--
NOV. 10...	--	--	--	--	--	--	--	--	--	290	--
DEC. 07...	--	--	--	--	--	--	--	--	--	60	--
01189028 - FARMINGTON RESERVOIR AT FARMINGTON, CONN. (LAT 41 42 42 LONG 072 49 36)											
DEC., 1971 02...	--	--	--	--	--	--	--	--	--	30	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
CONNECTICUT RIVER BASIN--Continued											
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)											
OCT., 1971											
13...	1330	2	1100	13.0	17.0	--	--	--	--	--	--
NOV.											
10...	1440	2	720	6.5	9.5	--	--	--	--	--	--
DEC.											
07...	1555	2	1320	3.0	9.0	--	--	--	--	--	--
JULY, 1972											
12...	1345	2	3400	20.0	32.0	--	--	--	--	--	--
AUG.											
16...	1420	2	1050	16.5	24.0	--	--	--	--	--	--
SEP.											
13...	1430	2	700	18.0	22.0	--	--	--	--	--	--
01192725- MOUNT HIGBY RESERVOIR NEAR MIDDLEFIELD, CONN. (LAT 41 33 06 LONG 072 43 22)											
MAY , 1972											
09...	1330	2	--	14.0	--	--	3	--	--	--	--
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)											
JULY, 1972											
12...	0945	2	--	22.5	31.0	--	--	--	--	--	--
AUG.											
16...	0955	2	--	25.0	20.0	--	--	--	--	--	--
SEP.											
13...	1015	2	--	22.0	24.0	--	6	--	--	--	--
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)											
JULY, 1972											
10...	0945	2	196	16.0	23.0	--	--	--	--	--	--
MENUNKETESUCK RIVER BASIN											
01194490- KELSEYTOWN RESERVOIR NEAR KILLINGWORTH, CONN. (LAT 41 19 53 LONG 072 31 30)											
MAY , 1972											
05...	1130	2	--	--	--	--	11	--	--	--	--
HAMMONASSET RIVER BASIN											
01195120 - HAMMONASSET RESERVOIR NEAR NORTH MADISON, CONN. (LAT 41 21 27 LONG 072 36 46)											
MAY , 1972											
12...	--	2	--	13.5	--	--	7	--	--	--	--
QUINNIPIAC RIVER BASIN											
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)											
JULY, 1972											
11...	0945	2	290	21.0	30.0	--	--	--	--	--	--
AUG.											
15...	1340	2	242	20.5	19.5	--	--	--	--	--	--
SEP.											
12...	0935	2	76	20.0	23.0	--	4	--	--	--	--
HOUSATONIC RIVER BASIN											
01198400 - HOLLENBECK RIVER AT HUNTSVILLE, CONN. (LAT 41 56 55 LONG 073 19 18)											
NOV., 1971											
17...	1050	2	15	4.0	6.0	17	--	19	<1	<2	5
MAY , 1972											
17...	1110	2	108	13.0	22.0	71	--	22	<1	<2	7
JULY											
19...	1100	2	27	23.0	32.0	67	--	34	<3	<3	6
01198051 - WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN. (LAT 41 56 36 LONG 073 17 00)											
NOV., 1971											
16...	1145	2	--	--	--	76	--	18	<1	<2	8
MAY , 1972											
16...	1115	2	--	--	--	180	--	14	<1	<1	7
JULY											
18...	1130	2	5.4	21.0	32.0	95	--	21	<2	<2	5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

CONNECTICUT RIVER BASIN--Continued

01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
OCT., 1971 13...	8	--	--	--	20	--	--	240	2	--	50
NOV. 10...	3	--	--	--	30	--	--	--	3	--	--
DEC. 07...	2	--	--	--	0	--	--	150	1	--	30
JULY, 1972 12...	--	--	0	--	0	--	--	200	4	--	30
AUG. 16...	--	--	0	--	0	--	--	140	1	--	50
SEP. 13...	--	--	0	--	0	--	--	160	5	--	60

01192725- MOUNT HIGBY RESERVOIR NEAR MIDDLEFIELD, CONN. (LAT 41 33 00 LONG 072 43 22)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
MAY , 1972 03...	0	--	0	--	50	--	--	--	0	--	--

01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 12)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
JULY, 1972 12...	--	--	0	--	0	--	--	200	2	--	10
AUG. 16...	--	--	0	--	0	--	--	70	1	--	10
SEP. 13...	--	--	0	--	20	--	--	50	1	--	0

01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
JULY, 1972 10...	--	--	0	--	0	--	--	120	1	--	0

MENUNKETESUCK RIVER BASIN--Continued

01194990 - KELSEYTOWN RESERVOIR NEAR KILLINGWORTH, CONN. (LAT 41 19 53 LONG 072 31 30)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
MAY , 1972 05...	0	--	0	--	0	--	--	--	0	--	--

HAMMONASSET RIVER BASIN--Continued

01195120 - HAMMONASSET RESERVOIR NEAR NORTH MADISON, CONN. (LAT 41 21 27 LONG 072 36 46)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
MAY , 1972 12...	0	--	0	--	0	--	--	--	0	--	--

QUINNIPIAC RIVER BASIN--Continued

01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
JULY, 1972 11...	--	--	0	--	0	--	--	120	2	--	160
AUG. 17...	--	--	0	--	30	--	--	250	5	--	350
SEP. 12...	--	--	0	--	0	--	--	50	1	--	100

HOUSATONIC RIVER BASIN--Continued

01198800 - HOLLENBECK RIVER AT HUNTSVILLE, CONN. (LAT 41 56 55 LONG 073 19 18)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
NOV., 1971 17...	<15	<2	--	<2	1	<1	<2	120	<2	<10	0
MAY , 1972 17...	<28	<3	--	<2	2	<2	<3	100	<2	<10	0
JULY 19...	<34	<3	--	<3	3	<3	<6	140	<3	<10	20

01198851 - WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN. (LAT 41 54 36 LONG 073 17 08)

DATE	CD	CR	CR6	CO	CU	GA	GE	FE	PB	LI	MN
NOV., 1971 16...	<18	<2	--	<2	1	<1	<2	80	<2	<10	0
MAY , 1972 16...	<22	<1	--	<1	2	<1	<3	120	<1	<10	0
JULY 18...	<35	<2	--	<2	2	<2	<4	120	<2	<10	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
CONNECTICUT RIVER BASIN--Continued											
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)											
OCT., 1971 13...	--	--	--	--	--	--	--	--	--	50	--
NOV. 10...	--	--	--	--	--	--	--	--	--	30	--
DEC. 07...	--	--	--	--	--	--	--	--	--	20	--
JULY, 1972 12...	--	--	--	0	--	--	--	--	--	0	--
AUG. 16...	--	--	--	0	--	--	--	--	--	0	--
SEP. 13...	--	--	--	0	--	--	--	--	--	20	--
01192725 - MOUNT HIGBY RESERVOIR NEAR MIDDLEFIELD, CONN. (LAT 41 33 00 LONG 072 43 22)											
MAY , 1972 03...	<.5	--	--	--	--	--	--	--	--	0	--
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)											
JULY, 1972 12...	--	--	--	0	--	--	--	--	--	0	--
AUG. 16...	--	--	--	0	--	--	--	--	--	0	--
SEP. 13...	--	--	--	0	--	--	--	--	--	10	--
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)											
JULY, 1972 10...	--	--	--	0	--	--	--	--	--	0	--
MENUNKETESUCK RIVER BASIN--Continued											
01194990 - KELSEYTOWN RESERVOIR NEAR KILLINGWORTH, CONN. (LAT 41 19 53 LONG 072 31 30)											
MAY , 1972 09...	<.5	--	--	--	--	--	--	--	--	0	--
HAMMONASSET RIVER BASIN--Continued											
01195120 - HAMMONASSET RESERVOIR NEAR NORTH MADISON, CONN. (LAT 41 21 27 LONG 072 36 46)											
MAY , 1972 12...	<.5	--	--	--	--	--	--	--	--	0	--
QUINNIPIAC RIVER BASIN--Continued											
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 59 LONG 072 50 29)											
JULY, 1972 11...	--	--	--	1	--	--	--	--	--	0	--
AUG. 15...	--	--	--	0	--	--	--	--	--	110	--
SEP. 12...	--	--	--	0	--	--	--	--	--	20	--
HOUSATONIC RIVER BASIN--Continued											
01198000 - HOLLENBECK RIVER AT HUNTSVILLE, CONN. (LAT 41 56 55 LONG 073 19 16)											
NOV., 1971 17...	--	<1	2	--	<1	20	<2	<1	<.8	<110	<6
MAY , 1972 17...	--	<1	2	--	<1	16	<3	1	<2.0	<59	<3
JULY 19...	--	<2	<3	--	<1	20	<6	<3	<3.0	<120	<6
01198051 - WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN. (LAT 41 56 36 LONG 073 17 08)											
NOV., 1971 16...	--	<1	2	--	<1	10	<2	<1	<.9	<130	<6
MAY , 1972 16...	--	<1	2	--	<1	9	<3	1	<1.0	<48	<3
JULY 18...	--	<1	<2	--	<1	14	<6	<2	<2.0	<75	<6

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TYPE	DISCHARGE (CFS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED ALUMINUM (AL) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	DISSOLVED BISMUTH (BI) (UG/L)	DISSOLVED BORON (B) (UG/L)
HOUSATONIC RIVER BASIN--Continued											
01198880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN. (LAT 41 57 42 LONG 073 18 52)											
NOV., 1971 16...	1550	2	--	--	--	35	--	12	<1	<2	5
MAY , 1972 16...	1505	2	165	15.0	21.0	48	--	13	<1	<2	7
JULY 18...	1410	2	12	24.0	34.0	23	--	21	<3	<3	6
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE, CONN. (LAT 41 57 26 LONG 073 22 11)											
NOV., 1971 17...	1230	2	1280	4.5	8.0	40	--	13	<1	<3	30
MAY , 1972 17...	1200	2	--	--	--	27	--	13	<2	<3	11
JULY 19...	1230	2	1600	25.0	35.0	40	--	18	<4	<4	8
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)											
JULY, 1972 11...	1510	2	155	21.5	31.0	--	--	--	--	--	--
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)											
JULY, 1972 11...	1345	2	5540	20.0	30.0	--	--	--	--	--	--
SAUGATUCK RIVER BASIN											
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)											
JULY, 1972 11...	1220	2	38	20.5	29.0	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
HOUSATONIC RIVER BASIN-- Continued											
01198880 - WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN. (LAT 41 57 42 LONG 073 18 52)											
NOV., 1971 16...	<25	<2	--	<2	1	<1	<3	30	<3	<10	30
MAY , 1972 16...	<33	<4	--	<2	2	<2	<4	70	<2	<10	0
JULY 18...	<61	<3	--	<3	3	<3	<7	230	<3	<10	60
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE, CONN. (LAT 41 57 26 LONG 073 22 11)											
NOV., 1971 17...	<35	<3	--	<3	7	<1	<4	150	<4	<10	60
MAY , 1972 17...	<51	<6	--	<3	2	<2	<6	90	<3	<10	0
JULY 19...	<78	<4	--	<4	5	<4	<8	170	<4	<10	20
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)											
JULY, 1972 11...	--	--	0	--	0	--	--	240	1	--	30
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)											
JULY, 1972 11...	--	--	0	--	0	--	--	80	1	--	0
SAUGATUCK RIVER BASIN--Continued											
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)											
JULY, 1972 11...	--	--	0	--	0	--	--	280	2	--	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SCLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SCLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
HOUSATONIC RIVER BASIN--Continued											
01198880 - WANGUM LAKE BROOK NEAR SCUTH CANAAN, CONN. (LAT 41 57 42 LONG 073 18 52											
NOV., 1971											
16...	--	<1	<3	--	<1	23	<3	<2	<2.0	<160	<5
MAY , 1972											
16...	--	<1	2	--	<1	12	<4	<1	<2.0	<70	<4
JULY											
18...	--	<2	<3	--	<1	24	<7	<3	<3.0	<140	<7
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE, CONN. (LAT 41 57 26 LONG 073 22 11)											
NOV., 1971											
17...	--	<1	3	--	<1	40	<4	<2	<2.0	<230	<8
MAY , 1972											
17...	--	<1	<3	--	<1	22	<6	<2	<3.0	<110	<6
JULY											
19...	--	<2	<4	--	<1	33	<8	<4	<4.0	<170	<8
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)											
JULY, 1972											
11...	--	--	--	0	--	--	--	--	--	0	--
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)											
JULY, 1972											
11...	--	--	--	0	--	--	--	--	--	0	--
SAUGATUCK RIVER BASIN--Continued											
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)											
JULY, 1972											
11...	--	--	--	0	--	--	--	--	--	0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	ALDRIN (UG/L)	CHLOR-DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
THAMES RIVER BASIN											
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)											
JULY, 1972											
10...	1490	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)											
JULY, 1972											
10...	155	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
CONNECTICUT RIVER BASIN											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE CONN (LAT 41 59 14 LONG 072 36 21)											
OCT., 1971											
18...	3960	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC.											
09...	14200	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
MAR., 1972											
27..	336,000	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
JUNE											
08...	21200	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
JULY											
13...	17000	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)											
JULY, 1972											
12...	7.4	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)											
JULY, 1972											
12...	3400	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)											
JAN., 1972											
10...	--	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00
JULY											
12...	--	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)											
JULY, 1972											
10...	196	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
QUINNIPIAC RIVER BASIN											
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 50 LONG 072 50 29)											
JULY, 1972											
11...	250	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
HOUSATONIC RIVER BASIN											
01198800 - HOLLENBECK RIVER AT HUNTSVILLE, CONN. (LAT 41 56 55 LONG 073 19 18)											
NOV., 1971											
17...	15	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
APR., 1972											
19...	125	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
JULY											
19...	27	.00	.0	.00	.00	.00	.00	.00	.00	--	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DI-AZINON (UG/L)	ETHION (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	METHYL TRI-THION (UG/L)	PARA-THION (UG/L)	TRI-THION (UG/L)
THAMES RIVER BASIN--Continued											
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)											
JULY, 1972 10...	--	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)											
JULY, 1972 10...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CONNECTICUT RIVER BASIN--Continued											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE CONN (LAT 41 59 14 LONG 072 36 21)											
OCT., 1971 18...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC. 09...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR., 1972 27...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUNE 08...	--	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 13...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)											
JULY, 1972 12...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)											
JULY, 1972 12...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)											
JAN., 1972 10...	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 12...	--	.01	.03	.00	.00	.00	.00	.00	.00	.00	.00
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)											
JULY, 1972 10...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
QUINNIPIAC RIVER BASIN--Continued											
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)											
JULY, 1972 11...	--	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
HOUSATONIC RIVER BASIN--Continued											
01198000 - HOLLENBECK RIVER AT HUNTSVILLE, CONN. (LAT 41 56 55 LONG 073 19 10)											
NOV., 1971 17...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR., 1972 19...	--	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 19...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	PCB (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	PCP IN BOTTOM DE-POSITS (UG/KG)
THAMES RIVER BASIN--Continued											
01127000 - QUINEBAUG RIVER AT JEWETT CITY, CONN. (LAT 41 35 52 LONG 071 59 05)											
JULY, 1972 10...	.0	7.0	--	--	--	--	--	--	--	--	--
01127500 - YANTIC RIVER AT YANTIC, CONN. (LAT 41 33 31 LONG 072 07 19)											
JULY, 1972 10...	.0	5.0	--	--	--	--	--	--	--	--	--
CONNECTICUT RIVER BASIN--Continued											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE CONN (LAT 41 59 14 LONG 072 36 21)											
OCT., 1971 18...	.1	--	.0	.0	.0	.0	.6	.0	.0	.0	40
DEC. 09...	.1	--	--	--	--	--	--	--	--	--	--
MAR., 1972 27...	.1	--	--	--	--	--	--	--	--	--	--
JUNE 08...	.1	--	--	--	--	--	--	--	--	--	--
JULY 13...	.0	3.0	--	--	--	--	--	--	--	--	--
01188000 - BURLINGTON BROOK NEAR BURLINGTON, CONN. (LAT 41 47 10 LONG 072 57 55)											
JULY, 1972 12...	.0	7.0	--	--	--	--	--	--	--	--	--
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)											
JULY, 1972 12...	.0	5.0	--	--	--	--	--	--	--	--	--
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN (LAT 41 32 30 LONG 072 33 13)											
JAN., 1972 10...	.0	13	--	--	--	--	--	--	--	--	--
JULY 12...	.2	9.0	--	--	--	--	--	--	--	--	--
01193500 - SALMON RIVER NEAR EAST HAMPTON, CONN. (LAT 41 33 11 LONG 072 26 57)											
JULY, 1972 10...	.0	5.0	--	--	--	--	--	--	--	--	--
QUINNIPIAC RIVER BASIN--Continued											
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)											
JULY, 1972 11...	.1	5.0	--	--	--	--	--	--	--	--	--
HOUSATONIC RIVER BASIN--Continued											
01198800 - HOLLENBECK RIVER AT HUNTSVILLE, CONN. (LAT 41 56 55 LONG 073 19 18)											
NOV., 1971 17...	<.1	25	--	--	--	--	--	--	--	--	--
APR., 1972 19...	.0	18	--	--	--	--	--	--	--	--	--
JULY 19...	.0	2.0	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS)	ALDRIN (UG/L)	CHLOR-DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
HOUSATONIC RIVER BASIN--Continued											
01198851 - WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN. (LAT 41 56 36 LONG 073 17 08)											
NOV., 1971 16...	4.1	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
APR., 1972 18...	41.0	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
JULY 18...	5.4	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01198980 - WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN. (LAT 41 57 42 LONG 073 18 52)											
NOV., 1971 16...	6.9	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
APR., 1972 18...	71	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
JULY 18...	12	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE, CONN. (LAT 41 57 26 LONG 073 22 11)											
NOV., 1971 17...	1280	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
APR., 1972 19...	3000	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
JULY 19...	1600	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)											
JULY, 1972 11...	155	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)											
JULY, 1972 11...	5540	.00	.0	.00	.00	.00	.00	.00	.00	--	.00
SAUGATUCK RIVER BASIN											
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)											
JULY, 1972 11...	38	.00	.0	.00	.00	.00	.00	.00	.00	--	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TOX-APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DI-AZINON (UG/L)	ETHION (UG/L)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)	METHYL TRI-THION (UG/L)	PARA-THION (UG/L)	TRI-THION (UG/L)
HOUSATONIC RIVER BASIN--Continued											
01199051 - WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN. (LAT 41 56 36 LONG 073 17 00)											
NOV., 1971 16...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR., 1972 18...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 18...	--	.03	.00	.00	.00	.00	.00	.00	.00	.00	--
01198680 - WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN. (LAT 41 57 42 LONG 073 18 52)											
NOV., 1971 16...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR., 1972 18...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 18...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE, CONN. (LAT 41 57 26 LONG 073 22 11)											
NOV., 1971 17...	--	.03	.00	.02	.00	.00	.00	.00	.00	.04	.00
APR., 1972 19...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 19...	--	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)											
JULY, 1972 11...	--	.09	.00	1.5	.00	.00	.00	.05	.00	.00	.00
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)											
JULY, 1972 11...	--	.02	.00	.47	.00	.00	.00	.00	.00	.00	.00
SAUGATUCK RIVER BASIN--Continued											
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)											
JULY, 1972 11...	--	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	PCB (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	PCB IN BOTTOM DE-POSITS (UG/KG)
HOUSATONIC RIVER BASIN--Continued											
01198851 - WANGUM LAKE BROOK NEAR HUNTSVILLE, CONN. (LAT 41 56 36 LONG 073 17 08)											
NOV., 1971											
16...	.0	14	--	--	--	--	--	--	--	--	--
APR., 1972											
18...	<.1	7.0	--	--	--	--	--	--	--	--	--
JULY											
18...	.0	2.0	--	--	--	--	--	--	--	--	--
01198860 - WANGUM LAKE BROOK NEAR SOUTH CANAAN, CONN. (LAT 41 57 42 LONG 073 18 52)											
NOV., 1971											
16...	.0	3.0	--	--	--	--	--	--	--	--	--
APR., 1972											
18...	.0	11	--	--	--	--	--	--	--	--	--
JULY											
18...	.0	1.0	--	--	--	--	--	--	--	--	--
01199000 - HOUSATONIC RIVER AT FALLS VILLAGE, CONN. (LAT 41 57 26 LONG 073 22 11)											
NOV., 1971											
17...	.0	6.0	--	--	--	--	--	--	--	--	--
APR., 1972											
19...	.1	17	--	--	--	--	--	--	--	--	--
JULY											
19...	.0	4.0	--	--	--	--	--	--	--	--	--
01204000 - POMPERAUG RIVER AT SOUTHBURY, CONN. (LAT 41 28 50 LONG 073 13 30)											
JULY, 1972											
11...	.0	4.0	--	--	--	--	--	--	--	--	--
01205500 - HOUSATONIC RIVER AT STEVENSON, CONN. (LAT 41 23 02 LONG 073 10 05)											
JULY, 1972											
11...	.0	3.0	--	--	--	--	--	--	--	--	--
SAUGATUCK RIVER BASIN--Continued											
01208990 - SAUGATUCK RIVER NEAR REDDING, CONN. (LAT 41 17 40 LONG 073 23 44)											
JULY, 1972											
11...	.0	3.0	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	NUMBER OF SAMPLING POINTS	STREAM WIDTH (FT)	MEAN DEPTH (FT)	DISCHARGE (CFS)	STREAM VELOCITY (FPS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TURBIDITY (JTU)	TURBIDITY (MG/L)
PATCHOGUE RIVER BASIN												
01194940 - PATCHOGUE RIVER AT WESTBROOK, CONN. (LAT 41 18 00 LONG 072 26 52)												
OCT., 1971												
05...	0850	18.0	154	3	16	.40	.00	.0	12	.00	1	2
01194945 - PATCHOGUE RIVER AT GROVE BEACH, CONN. (LAT 41 16 40 LONG 072 28 06)												
OCT., 1971												
05...	0803	18.0	30000	3	109	7.0	-150	-.2	34	-14	1	1
JUNE, 1972												
23...	0838	16.5	5800	3	110	7.8	-187	-.2	33	-17	5	9
MENUNKETESUCK RIVER BASIN												
01195000 - MENUNKETESUCK RIVER NEAR CLINTON, CONN. (LAT 41 18 10 LONG 072 30 57)												
OCT., 1971												
05...	1045	17.0	104	3	29	1.0	.52	.0	0	.00	0	1
01195050 - MENUKETESUCK RIVER AT GROVE BEACH, CONN. (LAT 41 16 20 LONG 072 28 38)												
OCT., 1971												
05...	1005	19.0	38000	3	30	8.3	-2000	-8.0	40	-216	0	2
JUNE, 1972												
23...	0937	17.0	10500	3	30	8.7	2220	8.4	18	108	5	9
INDIAN RIVER BASIN												
01195100 - INDIAN RIVER NEAR CLINTON, CONN. (LAT 41 18 21 LONG 072 31 54)												
OCT., 1971												
05...	1300	18.5	109	3	7.5	.33	.32	.1	1	.00	4	2
01195105 - INDIAN RIVER AT CLINTON, CONN. (LAT 41 16 42 LONG 072 31 32)												
OCT., 1971												
05...	1217	20.0	38000	3	15	4.5	-200	-3.0	13	-7.0	0	2
JUNE, 1972												
23...	1034	16.5	2100	3	15	4.4	374	5.7	11	11	5	6

NOTE: NEGATIVE DISCHARGE VALUES REPRESENT UPSTREAM TIDAL MOVEMENT.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	NUMBER OF SAM-PLING POINTS	STREAM WIDTH (FT)	MEAN DEPTH (FT)	DIS-CHARGE (CFS)	STREAM VELOC-ITY (FPS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TUR-BID-ITY (JTU)	TUR-BID-ITY (MG/L)
HAMMONASSET RIVER BASIN												
01195150- HAMMONASSET RIVER NEAR CLINTON, CONN. (LAT 41 17 25 LONG 072 33 55)												
OCT., 1971												
05...	1430	18.0	3250	3	60	1.7	38	.3	17	1.4	1	1
01195151 - HAMMONASSET RIVER AT CLINTON, CONN. (LAT 41 16 33 LONG 072 32 47)												
OCT., 1971												
05...	1343	20.0	30000	3	149	8.5	2500	2.0	791	5339	0	2
JUNE, 1972												
23...	1155	17.0	142	3	156	9.6	1760	1.2	87	413	5	10
EAST RIVER BASIN												
01195160 - EAST RIVER NEAR GUILFORD, CONN. (LAT 41 18 45 LONG 072 40 30)												
OCT., 1971												
04...	1000	18.5	77	2	11	1.1	2.5	.2	4	.03	1	2
01195161 - EAST RIVER NEAR GUILFORD, CONN. (LAT 41 17 08 LONG 072 38 52)												
OCT., 1971												
06...	0910	19.5	19000	3	107	8.3	-1300	-1.4	56	-197	0	2
JUNE, 1972												
23...	1355	18.0	600	3	104	7.0	933	1.3	17	43	5	10
NECK RIVER BASIN												
01195200 - NECK RIVER NEAR MADISON, CONN. (LAT 41 16 57 LONG 072 37 11)												
OCT., 1971												
06...	0820	19.0	146	3	12	.50	.46	.0	0	.00	1	2
JUNE, 1972												
23...	1314	17.0	86	3	14	3.3	150	3.2	6	2.4	2	3
WEST RIVER BASIN (east of Quinnipiac River)												
01195300 - WEST RIVER NEAR GUILFORD, CONN. (LAT 41 18 04 LONG 072 41 26)												
OCT., 1971												
06...	1200	16.5	160	3	29	.83	4.6	.2	2	.03	1	2
01195305 - WEST RIVER AT GUILFORD, CONN. (LAT 41 16 45 LONG 072 41 19)												
OCT., 1971												
06...	1100	18.0	2540	3	75	4.0	.00	.0	20	.00	1	2
JUNE, 1972												
23...	1500	17.0	116	--	--	--	--	--	--	--	4	8

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

CONNECTICUT RIVER BASIN

TOWN OF AVON

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
A 60	41 46 57	072 53 46	01	101	4.0	300NCBC	72-03-14	--	100	0
A 91	41 49 13	072 49 57	01	62	8.0	112SFDF	72-03-09	14	30	0
A 111	41 47 31	072 50 40	01	115	8.0	231SDMN	72-03-09	23	30	0
A 231	41 45 30	072 48 56	01	37	35	231SDMN	72-03-09	18	50	0
A 232	41 47 21	072 52 22	01	48	18	112SFDF	72-03-09	24	50	0
A 247	41 47 12	072 57 16	01	130	25	231SDMN	72-03-08	20	30	0
A 249	41 45 49	072 51 29	01	79	65	231SDMN	72-03-09	--	20	0
A 251	41 47 56	072 53 27	01	55	60	112SFDF	72-03-13	17	20	0
A 256	41 49 38	072 52 58	01	168	2.0	300NCBC	72-03-13	14	110	0
A 260	41 47 46	072 52 38	01	127	25	231SDMN	72-03-13	--	20	0
A 262	41 46 38	072 56 23	01	138	9.0	300CBCL	72-03-14	16	60	0
A 275	41 48 40	072 52 03	01	109	12	231SDMN	72-03-08	15	90	0
A 276	41 47 30	072 51 45	01	253	3.0	231SDMN	72-03-08	18	40	0
A 286	41 48 40	072 57 40	01	257	5.0	231SDMN	72-03-13	16	40	0
A 289	41 47 21	072 53 10	01	175	2.0	300NCBC	72-03-14	13	110	0
A 290	41 46 21	072 53 13	01	28	250	112SFDF	71-11-19	15	10	0

TOWN OF BARKHAMSTED

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
BA 93	41 56 57	072 58 20	01	105	5.0	300NCBC	72-03-27	12	60	0
BA 94	41 56 45	072 56 13	01	102	6.0	300NCBC	72-03-27	10	170	0
BA 95	41 56 55	072 59 04	01	125	5.0	300NCBC	72-03-27	17	30	0
BA 96	41 56 08	072 55 13	01	350	.50	300NCBC	72-03-27	10	50	0
BA 97	41 57 46	073 00 06	01	240	30	300NCBC	72-03-28	--	60	0

TOWN OF BERLIN

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
B 366	41 38 11	072 45 28	01	400	125	231SDMN	72-04-03	21	240	20
B 377	41 38 41	072 46 07	01	160	25	231SDMN	72-04-06	17	80	0
B 379	41 38 57	072 45 29	01	300	185	231SDMN	72-04-03	22	170	140
B 380	41 35 55	072 48 20	01	325	25	231SDMN	72-04-03	15	90	0
B 381	41 38 30	072 46 01	01	190	50	231SDMN	72-05-02	26	60	240
B 382	41 36 08	072 47 58	01	110	50	231SDMN	72-04-03	14	40	0
B 383	41 35 12	072 47 55	01	95	8.0	231IGNSE	72-04-03	25	60	0

TOWN OF BRISTOL

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
BS 1	41 43 26	072 53 53	01	263	110	231SDMN	72-04-06	8.5	120	0
BS 66	41 41 37	072 58 32	01	295	9.0	300NCBC	72-04-03	21	90	0
BS 70	41 42 39	072 58 15	01	9.0	--	112SFDF	72-04-10	12	30	0
BS 98	41 43 57	072 55 11	01	40	300	112SFDF	72-04-04	12	90	730
BS 147	41 39 35	072 54 54	01	600	15	231SDMN	71-08-10	12	--	--
BS 169	41 41 57	072 56 47	01	72	1400	112SFDF	71-11-16	18	110	0
BS 225	41 41 51	072 55 10	01	50	200	112SFDF	71-11-16	13	40	0
BS 230	41 42 18	072 57 28	01	90	90	112SFDF	72-04-10	17	120	0
BS 253	41 43 07	072 55 29	01	195	3.0	231SDMN	72-04-05	13	200	1200

TOWN OF BURLINGTON

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
BU 76	41 43 25	072 56 18	01	196	11	300NCBC	72-04-04	13	60	0
BU 90	41 45 50	072 55 57	01	300	4.0	300NCBC	72-03-23	13	100	0
BU 91	41 46 19	072 57 47	01	152	5.0	300NCBC	72-03-23	--	40	0
BU 96	41 46 35	072 56 36	01	70	15	112SFDF	72-03-23	13	430	90
BU 99	41 46 37	072 58 57	01	250	4.0	300NCBC	72-03-23	16	470	210

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
CONNECTICUT RIVER BASIN--Continued										
TOWN OF AVON--Continued										
A 69	72-03-16	--	--	--	--	--	--	--	--	--
A 91	72-03-29	32	2.9	4.0	.3	80	0	1.0	22	5.5
A 111	72-03-29	51	9.0	12	.9	122	0	1.0	13	37
A 231	72-03-29	22	4.1	5.8	.1	56	0	.9	22	6.3
A 232	72-03-30	30	4.9	7.2	1.0	82	0	1.0	4.5	7.0
A 247	72-03-30	27	3.4	4.7	.5	83	0	1.3	4.5	6.0
A 248	72-03-30	--	--	--	--	--	--	--	--	--
A 251	72-03-13	25	3.2	5.2	1.6	40	0	1.0	12	13
A 256	72-03-13	23	2.7	5.7	2.6	75	0	.8	19	4.5
A 260	72-03-13	--	--	--	--	--	--	--	--	--
A 262	72-03-14	10	3.0	4.0	1.6	38	0	1.2	11	2.3
A 275	72-03-09	22	2.9	3.6	1.7	61	0	1.0	16	2.2
A 276	72-03-29	24	1.0	7.3	.5	46	0	.8	10	1.5
A 286	72-03-13	50	4.2	13	1.3	155	0	1.6	20	22
A 288	72-03-14	14	3.3	16	.9	36	0	1.4	36	5.0
A 290	71-11-17	17	4.0	6.1	1.7	90	0	2.0	17	13
TOWN OF BARKHAMSTED--Continued										
BA 83	72-03-27	5.0	1.7	4.9	.7	20	0	1.3	9.8	3.0
BA 84	72-03-27	1.9	.6	26	1.0	12	0	1.5	10	30
BA 85	72-03-27	4.2	1.7	3.2	.9	21	0	1.7	5.0	2.0
BA 86	72-03-27	7.5	3.2	8.1	1.4	17	0	1.7	16	10
BA 87	72-03-28	--	--	--	--	--	--	--	--	--
TOWN OF BERLIN--Continued										
B 366	72-04-03	98	31	42	.9	187	0	9.5	250	27
B 377	72-04-04	23	6.6	8.2	.5	68	0	2.2	16	6.0
B 378	72-04-03	315	24	57	1.4	125	0	8.0	820	10
B 380	72-04-03	46	62	18	.7	204	0	3.3	27	91
B 381	72-05-02	560	42	190	1.1	86	0	3.5	1600	17
B 382	72-04-03	38	12	7.6	4.9	110	0	5.6	39	11
B 383	72-04-03	54	14	6.5	.6	129	0	52	28	10
TOWN OF BRISTOL--Continued										
BS 3	72-04-04	11	7.0	10	.9	71	0	1.7	16	13
BS 46	72-04-30	23	5.3	7.0	1.6	81	0	2.6	18	10
BS 78	72-04-10	6.2	1.3	5.0	1.0	17	0	1.4	10	2.0
BS 95	72-04-26	31	3.9	14	1.6	98	0	2.3	41	24
BS 147	71-08-10	1.3	0.0	60	.3	126	0	1.6	17	3.0
BS 160	71-11-16	30	4.6	11	1.3	34	0	2.7	31	20
BS 225	71-11-16	20	2.9	12	1.3	93	0	2.1	18	19
BS 250	72-04-10	5.6	2.5	4.1	1.2	30	0	1.2	9.1	3.0
BS 293	72-04-09	60	4.0	10	1.9	168	3	1.1	28	24
TOWN OF BURLINGTON--Continued										
BU 76	72-04-06	26	4.1	7.1	1.9	46	0	1.2	19	18
BU 93	72-03-23	13	3.5	4.9	2.1	27	0	1.6	8.7	14
BU 95	72-03-23	--	--	--	--	--	--	--	--	--
BU 96	72-03-23	10	3.5	37	1.6	19	0	1.2	5.0	60
BU 98	72-03-23	8.7	2.2	8.0	1.2	52	0	.8	7.3	1.0

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	PERCENT SODIUM
CONNECTICUT RIVER BASIN--Continued										
TOWN OF AVON--Continued										
A 68	72-03-14	--	--	--	--	26	--	--	--	--
A 91	72-03-09	.0	--	--	126	92	26	66	--	9
A 111	72-03-09	.1	--	--	209	148	48	100	--	15
A 231	72-03-09	.0	.60	2.6	106	72	26	46	--	10
A 232	72-03-08	.1	.70	3.1	112	68	1	67	--	18
A 242	72-03-08	.1	.70	3.1	107	69	1	68	--	17
A 248	72-03-09	--	--	--	--	68	--	--	--	--
A 251	72-03-13	.1	2.6	12	119	76	26	49	--	13
A 256	72-03-13	.2	.00	.0	109	69	7	61	--	15
A 260	72-03-13	--	--	--	--	38	--	--	--	--
A 262	72-03-14	.1	.80	3.5	71	36	5	31	--	18
A 275	72-03-08	.1	1.2	5.3	98	66	14	50	--	11
A 276	72-03-08	.1	.10	.4	109	67	8	69	--	19
A 286	72-03-13	.2	2.6	11	222	162	35	127	--	15
A 288	72-03-14	.0	3.6	15	112	49	21	28	--	38
A 290	71-11-19	.0	1.7	7.5	109	62	21	41	.03	21
TOWN OF BARKHAMSTED--Continued										
BA 83	72-03-27	.1	.20	.9	48	19	3	16	--	32
BA 84	72-03-27	.1	.20	.9	86	6	0	10	--	88
BA 85	72-03-27	.1	.10	.4	48	17	0	17	--	28
BA 86	72-03-27	.1	2.1	9.3	74	32	18	14	--	34
BA 87	72-03-28	--	--	--	--	98	--	--	--	--
TOWN OF BERLIN--Continued										
B 364	72-04-03	.2	.90	4.0	566	372	219	153	--	20
B 377	72-04-04	.1	3.6	16	125	84	28	56	--	14
B 378	72-04-03	.7	.80	3.5	1315	885	783	102	--	12
B 380	72-04-03	.3	1.4	6.2	347	288	120	167	--	12
B 381	72-05-02	.9	.00	.0	2399	1521	1451	71	--	16
B 382	72-04-03	.1	3.4	15	194	139	49	90	--	10
B 383	72-04-25	.0	11	49	256	192	87	106	--	7
TOWN OF BRISTOL--Continued										
BS 5	72-04-26	1.2	1.0	4.4	77	36	19	17	--	37
BS 66	72-04-25	.2	2.5	11	141	92	25	66	--	15
BS 70	72-04-13	.1	.05	.2	44	21	7	14	--	23
BS 95	72-04-26	.1	2.6	12	160	93	48	46	--	26
BS 147	71-08-10	.9	.05	.2	164	3	0	103	.01	97
BS 168	71-11-16	.1	1.8	8.0	131	69	41	28	.03	25
BS 229	71-11-16	.1	1.3	5.7	118	62	18	43	.03	29
BS 234	72-04-13	.1	.50	2.2	55	26	2	25	--	26
BS 293	72-04-25	.0	.30	1.3	237	186	43	138	--	10
TOWN OF BURLINGTON--Continued										
BU 76	72-04-26	.1	4.1	18	128	77	39	38	--	16
BU 90	72-03-23	.1	2.3	10	83	47	25	22	--	18
BU 91	72-03-23	--	--	--	--	43	--	--	--	--
BU 96	72-03-23	.0	.50	2.2	151	39	26	16	--	66
BU 98	72-03-23	.6	.00	.0	72	33	0	43	--	33

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNBS IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
CONNECTICUT RIVER BASIN--Continued					
TOWN OF AVON--Continued					
A 68	72-03-14	--	97	--	12.5
A 81	72-03-09	.2	209	8.1	9.0
A 111	72-03-09	.4	352	8.3	10.0
A 231	72-03-09	.2	167	8.0	11.0
A 232	72-03-08	.4	169	8.1	9.0
A 242	72-03-08	.4	168	8.0	12.0
A 248	72-03-03	--	150	--	11.0
A 251	72-03-13	.3	187	8.0	15.0
A 256	72-03-13	.3	168	8.2	10.5
A 260	72-03-13	--	91	--	10.5
A 262	72-03-14	.3	106	7.7	12.0
A 275	72-03-08	.2	153	8.0	11.0
A 276	72-03-09	.4	167	8.2	10.0
A 286	72-03-13	.4	371	8.2	12.5
A 288	72-03-14	.9	175	7.6	10.0
A 290	71-11-19	.4	167	7.6	15.0
TOWN OF BARKHAMSTED--Continued					
BA 83	72-03-27	.4	67	7.4	10.0
BA 84	72-03-27	4.5	154	7.1	10.0
BA 85	72-03-27	.3	55	7.3	9.5
BA 86	72-03-27	.6	116	7.2	10.5
BA 87	72-03-28	--	220	--	10.0
TOWN OF BERLIN--Continued					
B 364	72-04-03	.9	837	7.5	14.0
B 377	72-04-04	.3	194	7.7	11.0
B 378	72-04-03	.8	1580	7.4	14.0
B 380	72-04-03	.5	638	8.0	11.0
B 381	72-05-02	1.5	2650	7.6	--
B 382	72-04-03	.3	323	7.5	11.0
B 383	72-04-03	.2	405	6.6	13.0
TOWN OF BRISTOL--Continued					
BS 3	72-04-06	.7	132	7.3	12.0
BS 46	72-04-05	.4	225	7.7	10.0
BS 78	72-04-10	.3	63	7.3	9.0
BS 95	72-04-06	.6	250	7.6	13.5
BS 147	71-08-10	14.0	255	8.1	13.0
BS 148	71-11-16	.6	200	7.3	12.0
BS 225	71-11-16	.7	191	7.6	12.0
BS 238	72-04-10	.4	71	7.6	11.0
BS 253	72-04-05	.3	408	8.4	10.5
TOWN OF BURLINGTON--Continued					
BU 76	72-04-04	.4	214	7.8	12.0
BU 90	72-03-23	.3	135	7.5	11.0
BU 91	72-03-23	--	118	--	12.0
BU 96	72-03-23	2.6	293	7.4	9.5
BU 98	72-03-23	.6	105	8.0	10.0

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO- LOGIC UNIT	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
CONNECTICUT RIVER BASIN--Continued										
TOWN OF CANTON										
CA 91	41 50 41	072 56 44	01	247	.75	300NCBC	72-03-22	14	210	10
CA 101	41 49 04	072 54 37	01	171	20	300NCBC	72-03-21	--	190	0
CA 103	41 49 42	072 55 21	01	375	1.0	300NCBC	72-03-21	14	70	30
CA 104	41 49 35	072 53 38	01	19	7.0	112SFDF	72-03-22	11	60	0
CA 110	41 49 47	072 53 02	01	265	5.0	300NCBC	72-03-21	16	120	0
CA 119	41 51 50	072 53 36	01	400	2.0	300NCBC	72-03-21	17	40	310
CA 122	41 50 01	072 55 57	01	325	80	300NCBC	72-03-21	15	260	50
CA 125	41 51 10	072 55 49	01	304	1.0	300NCBC	72-03-22	20	80	60
TOWN OF CHESTER										
CH 253	41 23 55	072 29 47	01	62	25	112SFDF	72-05-04	8.1	170	110
CH 263	41 24 11	072 27 23	01	400	1.5	300NCBC	72-04-11	16	40	10
CH 265	41 25 31	072 26 38	01	260	22	300NCBC	72-04-11	12	820	30
CH 266	41 24 44	072 26 31	01	245	2.0	300NCBC	72-04-11	16	40	20
TOWN OF COLCHESTER										
CO 266	41 33 50	072 20 36	01	58	200	112SFDF	71-10-08	--	31000	70
CO 316	41 34 54	072 19 50	01	75	138	112SFDF	71-10-08	--	70	70
CO 317	41 32 52	072 24 39	01	265	50	300NCBC	71-10-08	--	350	70
CO 323 A	41 32 47	072 24 41	01	415	12	300NCBC	72-06-01	28	4300	350
CO 333	41 35 18	072 22 17	02	340	1.2	300NCBC	72-05-23	16	60	--
TOWN OF COLEBROOK										
C 15	42 00 20	073 07 54	01	525	3.0	300NCBC	72-04-03	11	80	50
TOWN OF DEEP RIVER										
DR 18	41 22 49	072 26 36	01	83	15	300NCBC	72-04-11	19	150	10
DR 19	41 22 42	072 25 58	01	122	10	300NCBC	72-04-11	--	290	0
TOWN OF DURHAM										
D 20	41 27 34	072 41 59	01	--	3.0	231SDMN	71-12-28	19	250	50
D 50	41 28 13	072 40 30	01	285	18.0	231SDMN	71-10-08	--	50	0
D 62	41 27 38	072 41 47	01	97	6.0	231SDMN	72-03-29	18	150	10
D 105	41 26 34	072 44 01	01	250	2.0	231IGNSE	72-04-06	--	60	0
D 107	41 28 07	072 40 35	01	200	6.0	231SDMN	72-04-06	12	260	230
D 108	41 28 52	072 39 47	01	130	20	231SDMN	72-04-06	15	130	0
D 109	41 26 01	072 42 42	01	150	11	231SDMN	72-04-06	14	70	0
TOWN OF EAST GRANBY										
EG 201	41 57 06	072 45 20	01	175	6.0	231SDMN	72-03-01	30	40	0
EG 202	41 56 09	072 46 18	01	192	12	231SDMN	72-03-01	--	90	0
EG 205	41 56 19	072 44 59	01	102	12	300NCBC	72-02-24	17	30	0
EG 234	41 55 09	072 46 53	01	495	10	231SDMN	72-03-01	--	20	0
TOWN OF EAST HADDAM										
EHD 320	41 31 21	072 19 35	01	205	6.0	300NCBC	72-04-21	205	770	70
EHD 321	41 30 19	072 26 50	01	140	15	300NCBC	72-04-21	17	140	0
EHD 322	41 27 11	072 18 37	01	145	6.0	300NCBC	72-04-21	13	300	20
EHD 323	41 28 31	072 23 59	01	160	22	300NCBC	72-04-21	--	5200	180
EHD 324	41 28 41	072 27 32	01	130	7.0	300NCBC	72-04-21	--	70	20
TOWN OF EAST HAMPTON										
EHM 379	41 33 08	072 32 15	01	187	5.0	300NCBC	72-04-27	22	170	0
EHM 381	41 34 32	072 31 49	01	440	1.5	300NCBC	72-04-27	--	80	0
EHM 382	41 32 09	072 30 03	01	115	23	300NCBC	72-04-27	22	1700	280

A : COMPOSITE SAMPLE WITH CO 334

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
				CONNECTICUT RIVER BASIN--Continued						
				TOWN OF CANTON--Continued						
CA 91	72-03-22	23	3.8	7.7	1.6	36	0	.9	15	30
CA 101	72-03-21	--	--	--	--	--	--	--	--	--
CA 103	72-03-21	13	2.5	4.8	1.1	32	0	1.3	9.5	9.5
CA 104	72-03-22	5.2	1.5	2.6	.6	11	0	1.8	10	3.9
CA 110	72-03-21	10	2.3	3.2	1.1	35	0	2.2	11	1.8
CA 119	72-03-21	48	5.8	7.3	2.1	134	0	1.7	24	16
CA 122	72-03-21	65	4.6	34	1.7	106	0	1.3	140	15
CA 125	72-03-22	18	2.6	6.0	1.9	42	0	.8	20	8.1
				TOWN OF CHESTER--Continued						
CH 253	72-05-04	5.5	2.8	3.9	.4	16	0	16	12	3.6
CH 263	72-04-11	24	3.1	7.0	2.7	44	0	1.4	36	4.0
CH 265	72-04-11	24	1.9	8.1	3.6	56	0	.9	34	7.5
CH 266	72-04-11	24	1.0	7.5	3.2	59	0	.9	17	6.4
				TOWN OF COLCHESTER--Continued						
CO 266	71-10-08	--	--	--	--	--	--	--	--	--
CO 316	71-10-08	--	--	--	--	--	--	--	--	--
CO 317	71-10-08	--	--	--	--	--	--	--	--	--
CO 323 A	72-06-01	25	7.8	21	4.0	20	0	13	18	85
CO 333	72-05-23	10	1.7	6.9	2.3	34	0	4.3	15	3.2
				TOWN OF COLEBROOK--Continued						
C 15	72-04-03	24	3.6	11	3.3	108	0	1.1	9.0	1.0
				TOWN OF DEEP RIVER--Continued						
DR 18	72-04-11	46	10	12	4.2	32	0	1.0	22	94
DR 19	72-04-11	--	--	--	--	--	--	--	--	--
				TOWN OF DURHAM--Continued						
D 20	71-12-28	6.0	1.7	410	.8	470	20	1.5	160	260
D 50	71-10-08	--	--	--	--	--	--	--	--	--
D 62	72-03-29	114	22	128	.8	85	0	3.4	380	120
D 105	72-04-06	22	5.7	8.3	.3	76	0	1.5	26	2.3
D 107	72-04-06	46	14	32	2.0	226	0	3.6	41	5.5
D 108	72-04-06	85	14	10	6.4	208	0	8.4	28	29
D 109	72-04-06	35	20	6.8	.5	164	0	6.6	26	4.0
				TOWN OF EAST GRANBY--Continued						
EG 201	72-03-01	20	2.2	4.2	.9	70	0	1.1	5.7	2.0
EG 202	72-03-01	--	--	--	--	--	--	--	--	--
EG 205	72-02-24	76	10	8.9	1.1	143	1	.9	72	21
EG 234	72-03-01	--	--	--	--	--	--	--	--	--
				TOWN OF EAST HADDAM--Continued						
EHD 320	72-04-21	5.6	1.7	7.6	2.7	35	0	5.6	9.4	2.9
EHD 321	72-04-21	23	3.4	5.7	4.1	69	0	1.7	15	7.6
EHD 322	72-04-21	38	5.0	24	2.2	54	0	1.1	8.6	80
EHD 323	72-04-21	--	--	--	--	--	--	--	--	--
EHD 324	72-04-21	--	--	--	--	--	--	--	--	--
				TOWN OF EAST HAMPTON--Continued						
EHM 379	72-04-27	0	0.0	30	0.0	38	0	1.9	11	12
EHM 381	72-04-27	--	--	--	--	--	--	--	--	--
EHM 382	72-04-27	20	6.8	7.9	2.3	63	0	13	14	20

A : COMPOSITE SAMPLE WITH CO 334

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS_ SOLVED NITRATE (NO3) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	PERCENT SODIUM
CONNECTICUT RIVER BASIN--Continued										
TOWN OF CANTON--Continued										
CA 91	72-03-22	.2	.05	.2	113	73	44	30	--	18
CA 101	72-03-21	--	--	--	--	33	--	--	--	--
CA 103	72-03-21	.0	1.6	7.1	77	43	17	26	--	19
CA 104	72-03-22	.0	.20	.9	41	19	10	9	--	22
CA 110	72-03-21	.1	.00	.0	63	34	6	29	--	16
CA 119	72-03-21	.3	.00	.0	186	144	34	110	--	10
CA 122	72-03-21	.9	.01	.0	328	181	94	87	--	29
CA 125	72-03-22	.3	.80	3.5	101	56	21	34	--	18
TOWN OF CHESTER--Continued										
CH 253	72-05-04	.0	1.2	5.3	49	24	11	13	--	25
CH 263	72-04-11	.2	3.4	15	130	73	37	36	--	17
CH 265	72-04-11	.1	.10	.4	119	66	20	46	--	20
CH 266	72-04-11	.2	3.6	16	121	68	19	48	--	19
TOWN OF COLCHESTER--Continued										
CO 266	71-10-08	--	--	--	--	--	--	--	--	--
CO 316	71-10-08	--	--	--	--	--	--	--	--	--
CO 317	71-10-08	--	--	--	--	--	--	--	--	--
CO 323 A	72-06-01	.1	.20	.9	200	95	78	16	--	31
CO 333	72-05-23	.1	.90	4.0	76	32	4	28	--	30
TOWN OF COLEBROOK--Continued										
C 15	72-04-03	.3	.00	.0	117	75	0	89	--	23
TOWN OF DEEP RIVER--Continued										
DR 18	72-06-11	.0	1.2	5.3	228	156	130	26	--	14
DR 19	72-06-11	--	2.4	11	--	--	--	--	--	--
TOWN OF DURHAM--Continued										
D 20	71-12-28	6.1	.40	1.8	1117	22	0	385	--	97
D 50	71-10-08	--	--	--	--	--	--	--	--	--
D 62	72-03-29	1.0	4.1	18	844	375	306	70	--	43
D 105	72-04-06	.1	1.0	4.4	106	78	16	62	--	19
D 107	72-04-06	.2	.00	.0	264	172	0	185	--	28
D 108	72-04-06	.1	19	84	374	270	99	171	--	7
D 109	72-04-06	.1	3.4	15	202	170	35	134	--	8
TOWN OF EAST GRANBY--Continued										
EG 201	72-03-01	.1	1.3	5.7	105	59	2	57	--	13
EG 202	72-03-01	--	--	--	--	100	--	--	--	--
EG 205	72-02-24	.1	4.6	20	298	231	112	117	--	8
EG 234	72-03-01	--	--	--	--	62	--	--	--	--
TOWN OF EAST HADDAM--Continued										
EHD 320	72-04-21	.1	.00	.0	75	21	0	29	--	40
EHD 321	72-04-21	.0	.90	4.0	114	71	15	57	--	14
EHD 322	72-04-21	.1	.10	.4	198	115	71	44	--	31
EHD 323	72-04-21	--	.01	.0	--	--	--	--	--	--
EHD 324	72-04-21	--	.05	.2	--	--	--	--	--	--
TOWN OF EAST HAMPTON--Continued										
EHM 379	72-04-27	.1	2.1	9.3	103	0	0	31	--	100
EHM 381	72-04-27	--	.00	.0	--	--	--	--	--	--
EHM 382	72-04-27	.1	.01	.0	124	78	26	52	--	18

A: COMPOSITE SAMPLE WITH CO 334

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
CONNECTICUT RIVER BASIN--Continued					
TOWN OF CANTON--Continued					
CA 91	72-03-22	.4	202	7.8	--
CA 101	72-03-21	--	73	--	7.5
CA 103	72-03-21	.3	124	7.6	12.0
CA 104	72-03-22	.3	59	7.0	9.5
CA 110	72-03-21	.2	91	7.4	9.5
CA 119	72-03-21	.3	314	8.1	11.0
CA 122	72-03-21	1.1	516	8.1	7.5
CA 125	72-03-22	.4	152	7.9	12.0
TOWN OF CHESTER--Continued					
CH 293	72-05-04	.3	79	6.2	10.0
CH 263	72-04-11	.4	194	7.7	10.0
CH 265	72-04-11	.4	193	8.0	7.5
CH 266	72-04-11	.4	188	8.0	11.0
TOWN OF COLCHESTER--Continued					
CO 266	71-10-08	--	--	--	--
CO 316	71-10-08	--	--	--	--
CO 317	71-10-08	--	--	--	--
CO 323 A	72-06-01	.9	367	8.4	13.0
CO 333	72-05-23	.5	111	7.1	9.0
TOWN OF COLEBROOK--Continued					
C 15	72-04-03	.6	195	8.2	9.0
TOWN OF DEEP RIVER--Continued					
DR 18	72-04-11	.4	434	7.7	13.0
DR 19	72-04-11	--	--	--	12.0
TOWN OF DURHAM--Continued					
D 20	71-12-28	38	1740	8.7	--
D 50	71-10-08	--	--	--	--
D 62	72-03-29	2.9	1260	7.6	10.5
D 105	72-04-06	.4	192	7.9	12.5
D 107	72-04-06	1.1	433	8.0	11.5
D 108	72-04-06	.3	608	7.6	9.0
D 109	72-04-06	.2	341	7.6	11.0
TOWN OF EAST GRANBY--Continued					
EG 201	72-03-01	.2	140	9.0	12.0
EG 202	72-03-01	--	210	--	9.0
EG 205	72-02-24	.3	492	8.4	7.0
EG 234	72-03-01	--	103	--	7.0
TOWN OF EAST HADDAM--Continued					
EHD 320	72-04-21	.7	182	7.0	9.0
EHD 321	72-04-21	.3	183	7.8	12.5
EHD 322	72-04-21	1.0	386	7.9	10.0
EHD 323	72-04-21	--	--	--	9.5
EHD 324	72-04-21	--	--	--	10.5
TOWN OF E^ST HAMPTON--Continued					
EHM 379	72-04-27	--	146	7.5	11.0
EHM 381	72-04-27	--	--	--	11.0
EHM 382	72-04-27	.4	258	6.9	10.0

A: COMPOSITE SAMPLE WITH CO 334

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

CONNECTICUT RIVER BASIN--Continued

TOWN OF ESSEX

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
ES 111	41 21 36	072 24 35	01	115	10	300NCBC	72-04-18	12	60	0
ES 112	41 21 06	072 26 51	01	149	15	300NCBC	72-04-18	--	70	60
ES 113	41 20 57	072 25 17	01	190	3.0	300NCBC	72-04-11	18	300	30
ES 114	41 20 39	072 24 55	01	54	30	112SFDF	72-04-11	13	320	130
ES 119	41 20 21	072 22 42	01	160	30	300NCBC	72-04-18	--	110	30

TOWN OF FARMINGTON

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
F 62	41 43 58	072 50 07	01	234	35	231SDMN	72-04-12	16	20	0
F 69	41 43 08	072 47 12	01	510	37	231IGNSE	71-11-19	34	80	50
F 208	41 43 11	072 49 11	01	493	27	231SDMN	72-04-12	16	30	0
F 218	41 45 30	072 54 13	01	320	1.0	300NCBC	72-04-13	--	60	0
F 236	41 42 16	072 52 41	01	610	155	231SDMN	71-12-02	14	50	20
F 237	41 44 45	072 51 30	01	370	70	231SDMN	71-11-29	13	50	0
F 264	41 42 22	072 51 55	01	423	7.0	231SDMN	72-04-12	--	110	0

TOWN OF GRANBY

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
GR 19	42 01 05	072 49 21	01	110	14	231SDMN	72-02-23	11	60	0
GR 26	41 56 34	072 50 34	01	329	6.0	231SDMN	72-02-29	--	40	0
GR 43	41 55 46	072 47 01	01	405	30	231SDMN	72-03-01	12	30	0
GR 49	41 56 05	072 53 28	01	72	--	112TILL	72-03-27	17	50	0
GR 62	41 55 22	072 49 50	01	209	5.0	231SDMN	72-02-28	14	50	0
GR 66	41 56 55	072 47 44	01	92	350	112SFDF	71-12-09	15	100	20
GR 93	41 58 45	072 46 56	01	66	12	112SFDF	72-02-28	13	50	0
GR 97	42 01 46	072 51 38	01	107	7.0	300NCBC	72-02-23	15	50	0
GR 155	41 58 21	072 52 16	01	125	20	300NCBC	72-02-24	--	560	0
GR 209	41 57 31	072 48 55	01	83	25	112SFDF	72-02-29	15	90	0
GR 210	41 59 34	072 47 16	01	121	25	112SFDF	72-02-28	15	90	0
GR 232	41 59 15	072 49 31	01	112	2.0	231SDMN	72-02-28	9.5	50	0
GR 261	41 58 37	072 51 43	01	257	7.0	300NCBC	72-02-24	--	200	30
GR 264	41 57 22	072 53 27	01	500	2.0	300NCBC	72-02-29	9.5	130	0
GR 267	41 59 44	072 49 51	01	127	2.0	231SDMN	72-02-24	15	70	0
GR 270	41 59 01	072 48 03	01	500	4.0	231SDMN	72-02-24	9.7	40	0
GR 272	41 57 35	072 47 56	01	232	28	112SFDF	72-03-01	11	170	40
GR 273	41 57 18	072 47 19	01	165	25	231SDMN	72-02-29	--	30	0
GR 277	41 55 20	072 47 43	01	323	5.0	231SDMN	72-03-01	9.1	80	0
GR 287	41 57 16	072 50 07	01	240	1.0	231SDMN	72-02-29	14	30	0
GR 314	41 59 44	072 49 56	01	300	.70	300NCBC	72-02-28	7.8	360	30
GR 315	41 56 36	072 53 29	01	45	4.0	300NCBC	72-03-27	--	90	0

TOWN OF HADDAM

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
HD 420	41 28 00	072 37 44	01	196	3.5	300NCBC	72-04-19	26	1400	310
HD 426	41 28 28	072 31 45	01	120	10	300NCBC	72-04-19	--	60	10
HD 429	41 28 00	072 30 54	01	175	2.2	300NCBC	72-04-19	--	1300	230
HD 431	41 28 52	072 31 14	01	380	6.0	300NCBC	72-05-03	--	60	10
HD 445	41 27 06	072 29 42	01	80	30	300NCBC	72-04-19	--	120	90

TOWN OF HARTLAND

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
HT 13	41 59 26	072 55 11	01	390	.75	300NCBC	72-03-27	21	60	0
HT 25	41 59 27	072 53 35	01	204	30	300NCBC	72-03-27	22	2200	110

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
				CONNECTICUT RIVER BASIN--Continued						
				TOWN OF ESSEX--Continued						
ES 111	72-04-18	28	2.8	6.9	1.6	84	0	1.5	11	4.7
ES 112	72-04-18	--	--	--	--	--	--	--	--	--
ES 113	72-04-11	10	1.4	21	2.2	76	0	.8	11	4.9
ES 114	72-04-11	18	4.5	58	3.1	12	0	3.0	14	110
ES 115	72-04-18	--	--	--	--	--	--	--	--	--
				TOWN OF FARMINGTON--Continued						
F 62	72-04-12	18	2.1	4.1	.9	64	0	1.0	5.5	2.5
F 69	71-11-19	168	2.9	50	.4	32	0	1.0	490	10
F 208	72-04-12	34	7.5	3.9	.2	45	0	1.5	21	12
F 218	72-04-13	--	--	--	--	--	--	--	--	--
F 234	71-12-02	21	1.9	11	.5	60	0	2.4	13	16
F 237	71-11-29	49	1.7	6.3	.7	122	0	4.9	19	16
F 264	72-04-12	--	--	--	--	--	--	--	--	--
				TOWN OF GRANBY--Continued						
GR 18	72-02-23	19	1.2	3.6	.4	29	0	2.9	19	3.5
GR 26	72-02-29	--	--	--	--	--	--	--	--	--
GR 41	72-03-31	21	1.0	3.7	.3	58	0	.9	7.6	4.0
GR 43	72-03-27	40	11	18	15	68	0	.9	56	37
GR 62	72-02-28	19	2.2	12	.5	75	0	1.9	11	4.3
GR 66	71-12-30	26	2.8	5.3	.6	58	0	2.9	15	8.6
GR 90	72-02-28	50	1.0	11	.9	76	0	1.0	80	9.0
GR 97	72-02-23	9.0	1.4	4.9	1.2	27	0	1.1	7.0	1.5
GR 155	72-02-26	--	--	--	--	--	--	--	--	--
GR 209	72-02-29	14	2.1	4.0	.4	40	0	1.6	14	2.5
GR 210	72-02-28	18	.8	9.4	.3	95	0	1.1	5.0	2.9
GR 232	72-02-28	6.5	.9	3.6	2.2	20	0	1.0	10	3.8
GR 261	72-02-26	--	--	--	--	--	--	--	--	--
GR 266	72-02-28	51	2.8	25	2.1	120	0	1.0	22	45
GR 267	72-02-26	76	4.3	19	1.9	102	0	1.0	18	94
GR 270	72-02-24	34	1.2	21	.5	75	0	1.2	28	27
GR 272	72-03-01	17	2.3	4.0	.4	30	0	1.2	19	7.5
GR 273	72-02-29	--	--	--	--	--	--	--	--	--
GR 277	72-03-01	45	1.6	28	.6	55	0	2.8	29	74
GR 287	72-02-28	29	.8	8.7	.4	88	0	1.1	11	8.0
GR 314	72-02-28	45	1.6	24	.9	79	0	.8	130	18
GR 315	72-03-27	--	--	--	--	--	--	--	--	--
				TOWN OF HADDAM--Continued						
HD 420	72-04-19	16	7.1	4.9	3.2	64	0	1.6	19	8.5
HD 424	72-04-19	--	--	--	--	--	--	--	--	--
HD 429	72-04-19	--	--	--	--	--	--	--	--	--
HD 431	72-05-03	--	--	--	--	--	--	--	--	--
HD 445	72-04-19	--	--	--	--	--	--	--	--	--
				TOWN OF HARTLAND--Continued						
HT 13	72-03-27	12	3.0	4.0	1.9	40	0	1.3	3.4	2.6
HT 25	72-03-27	8.0	2.1	6.3	1.7	37	0	1.2	12	3.2

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	PERCENT SODIUM
				CONNECTICUT RIVER BASIN--Continued						
				TOWN OF ESSEX--Continued						
ES 111	72-04-18	.2	.00	.0	114	81	4	77	--	15
ES 112	72-04-18	--	.00	.0	--	--	--	--	--	--
ES 113	72-04-11	.3	.00	.0	107	31	0	62	--	50
ES 114	72-04-11	.1	2.1	9.3	236	63	54	10	--	65
ES 115	72-04-18	--	.00	.0	--	--	--	--	--	--
				TOWN OF FARMINGTON--Continued						
F 62	72-04-12	.1	.05	.2	81	54	1	52	--	14
F 69	71-11-19	.4	--	.08	771	410	400	26	.01	20
F 208	72-04-12	.1	2.0	8.8	150	116	38	78	--	5
F 218	72-04-13	--	--	--	--	23	--	--	--	--
F 234	71-12-02	.0	.50	2.2	108	60	11	49	.01	28
F 237	71-11-29	.1	1.1	4.9	171	129	29	100	.03	10
F 244	72-04-12	--	--	--	--	48	--	--	--	--
				TOWN OF GRANBY--Continued						
GR 18	72-02-23	.0	1.9	8.4	76	42	19	24	--	15
GR 26	72-02-28	--	--	--	--	18	--	--	--	--
GR 43	72-03-01	.3	1.1	4.9	89	57	9	48	--	11
GR 49	72-03-27	.1	9.8	43	271	145	89	56	--	19
GR 62	72-02-28	.2	1.8	8.0	109	56	0	61	--	31
GR 66	71-12-30	.1	4.5	20	122	76	29	48	.04	13
GR 80	72-02-28	.1	.50	2.2	234	129	67	62	--	16
GR 87	72-02-23	.2	.30	1.3	60	18	0	22	--	31
GR 155	72-02-26	--	--	--	--	14	--	--	--	--
GR 209	72-02-29	.1	1.9	8.3	77	44	11	33	--	16
GR 219	72-02-28	.1	.70	3.1	76	48	3	45	--	13
GR 232	72-02-28	.1	.10	.4	47	20	4	16	--	26
GR 261	72-02-26	--	--	--	--	48	--	--	--	--
GR 266	72-02-26	.5	2.4	11	229	139	40	99	--	20
GR 267	72-02-24	.1	.50	2.2	279	202	119	84	--	17
GR 270	72-02-26	.1	2.6	11	170	90	30	61	--	34
GR 272	72-03-01	.1	2.0	8.8	85	52	27	25	--	14
GR 273	72-02-28	--	--	--	--	80	--	--	--	--
GR 277	72-03-01	.1	1.0	4.4	219	119	74	45	--	34
GR 287	72-02-28	.1	.70	3.1	119	78	6	72	--	20
GR 314	72-02-28	1.3	7.0	31	279	129	105	24	--	29
GR 318	72-03-22	--	--	--	--	74	--	--	--	--
				TOWN OF HADDAM--Continued						
HD 420	72-04-19	.1	.00	.0	116	69	17	52	--	13
HD 424	72-04-19	--	.20	.9	--	--	--	--	--	--
HD 429	72-04-19	--	.00	.0	--	--	--	--	--	--
HD 431	72-05-31	--	.04	.2	--	--	--	--	--	--
HD 445	72-04-19	--	.00	.0	--	--	--	--	--	--
				TOWN OF HARTLAND--Continued						
HT 13	72-03-27	.1	.84	3.7	81	42	10	33	--	16
HT 25	72-03-27	.2	.00	.0	76	29	0	30	--	31

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT- I- FIER	DATE OF SAMPLE	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
	CONNECTICUT RIVER BASIN--Continued				
	TOWN OF ESSEX--Continued				
ES 111	72-04-10	.3	194	8.0	10.0
ES 112	72-04-10	--	--	--	11.0
ES 113	72-04-11	1.6	163	8.2	11.0
ES 114	72-04-11	3.2	458	6.8	--
ES 115	72-04-10	--	--	--	11.0
	TOWN OF FARMINGTON--Continued				
F 67	72-04-12	.2	127	8.0	11.0
F 69	71-11-19	1.0	976	7.7	13.0
F 208	72-04-12	.1	257	8.0	9.0
F 218	72-04-13	--	60	--	11.5
F 234	71-12-07	.6	176	7.6	--
F 237	71-11-29	.2	280	7.8	13.0
F 264	72-04-12	--	180	--	12.5
	TOWN OF GRANBY--Continued				
GR 19	72-02-24	.2	120	7.2	9.5
GR 26	72-02-29	--	195	--	14.0
GR 63	72-03-01	.2	136	8.0	9.5
GR 68	72-03-27	.7	639	8.1	6.5
GR 82	72-02-28	.7	172	7.8	12.0
GR 86	71-12-06	.3	188	7.9	10.0
GR 88	72-02-28	.6	312	8.1	9.0
GR 97	72-02-23	.6	63	7.4	9.0
GR 195	72-02-24	--	58	--	7.5
GR 209	72-02-29	.3	119	7.6	10.0
GR 210	72-02-28	.2	117	7.9	9.0
GR 232	72-02-24	.4	74	7.5	8.0
GR 261	72-02-24	--	138	--	10.5
GR 266	72-02-24	.9	415	8.3	14.5
GR 267	72-02-24	.8	546	8.2	10.5
GR 270	72-02-24	1.0	279	8.0	6.0
GR 272	72-03-01	.2	140	7.6	9.5
GR 273	72-02-23	--	165	--	10.5
GR [illegible]	72-03-01	1.1	419	7.9	12.5
GR 289	72-02-28	.4	700	8.1	9.5
GR 316	72-02-28	.9	297	7.4	5.5
GR 319	72-03-27	--	210	--	12.0
	TOWN OF HADDAM--Continued				
HD 420	72-04-19	.3	171	7.8	12.0
HD 426	72-04-19	--	--	--	12.0
HD 429	72-04-19	--	--	--	--
HD 431	72-05-08	--	--	--	--
HD 445	72-04-19	--	--	--	12.0
	TOWN OF HARTLAND--Continued				
HT 13	72-03-27	.3	112	7.7	8.0
HT 25	72-03-27	.5	96	7.7	8.0

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
				CONNECTICUT RIVER BASIN--Continued						
				TOWN OF HEBRON						
HB 23	41 39 48	072 22 22	01	160	7.0	300NCBC	72-04-27	11	130	50
HB 25	41 38 38	072 21 29	01	265	3.0	300NCBC	72-04-27	--	100	60
HB 26	41 40 43	072 21 18	01	290	10	300NCBC	72-04-27	14	650	30
HB 27	41 41 05	072 26 23	01	200	7.5	300NCBC	72-04-24	24	2000	160
HB 29	41 40 03	072 26 06	01	137	8.0	300NCBC	72-04-24	19	60	0
HB 30	41 39 54	072 23 04	01	225	4.0	300NCBC	72-04-27	--	3400	120
HB 31	41 36 56	072 19 43	01	165	5.0	300NCBC	72-04-27	14	140	20
HB 32	41 37 38	072 22 19	01	192	7.0	300NCBC	72-04-27	--	60	20
				TOWN OF LYME						
L 227	41 22 34	072 17 52	01	90	45	112SFDF	72-04-20	10	9200	300
L 228	41 22 26	072 21 36	01	76	12	112SFDF	72-04-20	11	320	0
L 230	41 24 45	072 19 35	01	193	10	300NCBC	72-04-20	22	50	0
L 231	41 23 30	072 22 44	01	160	5.0	300NCBC	72-04-20	21	60	0
				TOWN OF MARLBOROUGH						
MB 6	41 38 33	072 24 26	01	200	2.0	300NCBC	72-04-24	21	710	150
MB 7	41 40 46	072 29 05	01	115	8.0	300NCBC	72-04-24	--	220	60
MB 8	41 36 23	072 26 50	01	103	4.3	300NCBC	72-04-24	25	2800	150
				TOWN OF MIDDLEFIELD						
MF 194	41 31 31	072 42 47	01	145	5.5	231SDMN	72-04-05	15	290	20
MF 196	41 30 18	072 43 44	01	250	18	231SDMN	72-04-05	12	90	0
MF 197	41 29 59	072 42 01	01	190	5.0	231SDMN	72-04-06	12	140	0
MF 199	41 32 26	072 42 15	01	225	7.0	231SDMN	72-04-05	15	60	20
MF 200	41 30 44	072 44 15	01	132	10	300NCBC	72-04-05	28	130	0
MF 231	41 31 49	072 41 43	01	245	30	231IGNSE	72-04-05	15	220	20
MF 232	41 31 06	072 42 45	01	145	11	231IGNSE	72-04-05	15	90	40
				TOWN OF MIDDLETOWN						
MT 349	41 33 07	072 36 14	02	190	2.3	300NCBC	72-04-04	28	2600	500
MT 350	41 30 25	072 38 36	01	220	5.0	231SDMN	72-04-04	14	150	10
MT 353	41 31 10	072 40 20	01	160	10	231SDMN	72-04-04	15	790	0
MT 354	41 32 29	072 36 51	01	250	1.5	231SDMN	72-04-04	16	150	60
MT 355	41 33 35	072 38 03	01	275	4.0	231SDMN	72-04-04	11	160	0
MT 356	41 30 50	072 39 33	01	400	1.5	231SDMN	72-04-04	15	80	60
MT 357	41 31 21	072 38 06	01	205	3.0	231SDMN	72-04-04	14	110	10
MT 358	41 31 39	072 39 35	01	310	7.0	231SDMN	72-04-04	12	230	0
MT 360	41 33 16	072 42 12	01	200	7.0	231SDMN	72-04-05	16	70	20
MT 361	41 32 44	072 41 16	01	100	6.5	231IGNSE	72-04-05	15	110	0
MT 363	41 35 26	072 41 36	01	100	15	231IGNSE	72-04-05	21	120	0
MT 389	41 33 31	072 37 24	01	59	757	112SFDF	72-05-03	--	--	--
				TOWN OF NEW BRITAIN						
NB 213	41 40 19	072 45 25	01	278	155	231SDMN	72-04-04	14	90	0
				TOWN OF NEW HARTFORD						
NH 100	41 52 14	072 57 56	01	84	100	112SFDF	71-12-17	9.2	60	0
NH 129	41 52 27	073 02 01	01	125	30	112SFDF	72-03-30	16	350	0
				TOWN OF NORFOLK						
NO 31	41 59 19	073 13 06	01	347	2.3	300NCBC	72-04-07	11	30	0
				TOWN OF OLD LYME						
OL 85	41 22 27	072 19 18	01	105	5.0	300NCBC	72-04-20	26	160	30
OL 86	41 21 47	072 17 30	01	300	2.0	300NCBC	72-04-20	16	130	30
OL 87	41 20 21	072 17 49	01	360	1.0	300NCBC	72-04-20	--	60	0
				TOWN OF OLD SAYBROOK						
OS 247	41 19 42	072 22 43	01	73	5.0	112SFDF	72-04-10	18	4900	100

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
				CONNECTICUT RIVER BASIN--Continued						
				TOWN OF HEBRON--Continued						
HR 23	72-04-27	41	6.3	10	9.3	79	0	.8	36	34
HR 25	72-04-27	--	--	--	--	--	--	--	--	--
HR 26	72-04-27	19	1.9	27	3.8	94	0	1.0	32	3.9
HR 27	72-04-26	6.6	1.4	11	1.7	45	0	2.3	12	1.6
HR 29	72-04-26	36	10	10	6.0	68	0	4.3	42	18
HR 30	72-04-27	--	--	--	--	--	--	--	--	--
HR 31	72-04-27	26	2.3	5.2	3.3	63	0	.6	13	12
HR 32	72-04-27	--	--	--	--	--	--	--	--	--
				TOWN OF LYME--Continued						
L 227	72-06-20	7.2	1.7	6.0	1.3	16	0	6.6	9.0	19
L 228	72-06-20	9.6	.7	6.9	.8	10	0	1.0	2.6	9.1
L 230	72-06-20	9.1	2.1	9.3	1.5	44	0	1.6	4.1	3.1
L 231	72-06-20	9.1	2.6	6.1	1.3	42	0	1.1	6.1	4.6
				TOWN OF MARLBOROUGH--Continued						
MB 6	72-06-26	20	2.8	15	3.7	61	0	3.1	33	6.7
MB 7	72-06-26	--	--	--	--	--	--	--	--	--
MB 8	72-06-26	26	2.8	7.7	2.9	62	0	6.3	19	6.9
				TOWN OF MIDDLEFIELD--Continued						
MF 194	72-06-05	43	16	27	.5	104	0	5.2	61	6.9
MF 196	72-06-05	37	12	9.1	1.0	116	0	12	28	15
MF 197	72-06-06	66	7.7	7.9	1.2	89	0	6.8	99	30
MF 199	72-06-05	70	16	26	1.0	190	0	2.9	36	8.3
MF 200	72-06-05	45	17	9.6	.3	120	0	7.6	38	46
MF 201	72-06-05	69	11	22	.5	199	0	6.2	120	19
MF 202	72-06-05	60	12	12	.9	138	0	11	42	13
				TOWN OF MIDDLETOWN--Continued						
MT 349	72-06-05	65	4.2	8.6	1.2	180	0	19	37	16
MT 350	72-06-06	26	1.8	9.3	.6	67	0	21	19	7.0
MT 353	72-06-06	60	3.9	8.2	1.5	137	0	6.9	26	7.2
MT 354	72-06-06	60	8.3	9.7	1.9	131	0	7.1	28	9.7
MT 355	72-06-06	23	5.7	29	2.2	126	0	7.0	22	7.5
MT 356	72-06-06	225	1.5	36	.6	73	0	5.9	500	9.7
MT 357	72-06-06	39	3.9	10	1.3	138	0	27	16	5.9
MT 358	72-06-05	29	2.7	9.3	.6	90	0	9.1	16	3.9
MT 360	72-06-05	68	30	24	1.3	296	0	5.2	96	93
MT 361	72-06-05	26	7.2	8.9	1.9	96	0	10	70	19
MT 363	72-06-05	35	9.2	66	.6	196	0	3.7	96	57
MT 389	72-05-03	66	--	--	--	--	--	--	--	--
				TOWN OF NEW BRITAIN--Continued						
NB 213	72-06-06	87	17	60	1.9	190	0	6.1	199	26
				TOWN OF NEW HARTFORD--Continued						
NH 130	71-11-17	3.0	1.0	2.7	.7	4	0	2.2	6.3	3.3
NH 175	72-03-30	9.0	3.2	7.6	.8	40	0	1.5	9.5	3.8
				TOWN OF NORFOLK--Continued						
NO 31	72-06-05	16	2.0	4.1	2.3	58	0	.9	11	1.9
				TOWN OF OLD LYME--Continued						
OL 85	72-06-29	9.0	4.7	9.6	1.9	30	0	1.6	19	6.9
OL 86	72-06-29	23	2.8	9.2	.8	84	0	1.3	13	9.8
OL 87	72-06-29	--	--	--	--	--	--	--	--	--
				TOWN OF OLD SAYBROOK--Continued						
OS 262	72-06-19	10	2.7	7.6	1.6	18	0	3.6	6.0	22

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	PERCENT SODIUM
CONNECTICUT RIVER BASIN--Continued										
TOWN OF HEBRON--Continued										
HB 23	72-04-27	.4	1.9	8.4	191	130	64	65	--	16
HB 25	72-04-27	--	.00	.0	--	--	--	--	--	--
HB 26	72-04-27	.4	.00	.0	160	95	0	78	--	49
HB 27	72-04-26	.3	.00	.0	81	22	0	37	--	58
HB 29	72-04-26	.0	5.6	25	190	131	75	56	--	16
HB 30	72-04-27	--	.70	3.1	--	--	--	--	--	--
HB 31	72-04-27	.0	1.8	8.0	119	76	23	50	--	19
HB 32	72-04-27	--	.00	.0	--	--	--	--	--	--
TOWN OF LYME--Continued										
L 227	72-04-20	.0	.00	.0	74	25	12	13	--	36
L 229	72-04-20	.0	.20	.9	64	16	2	15	--	36
L 230	72-04-20	.2	.00	.0	59	31	0	36	--	26
L 231	72-04-20	.2	.10	.4	72	33	0	36	--	28
TOWN OF MARLBOROUGH--Continued										
MB 6	72-04-26	.0	.25	.1	135	91	11	50	--	73
MB 7	72-04-26	--	.00	.0	--	--	--	--	--	--
MB 8	72-04-26	.1	.00	.0	138	76	26	51	--	17
TOWN OF MIDDLEFIELD--Continued										
MF 194	72-04-05	.0	.02	.1	244	169	50	154	--	22
MF 196	72-04-05	.1	3.9	17	197	142	49	93	--	12
MF 197	72-04-05	.1	17	75	349	182	112	70	--	8
MF 199	72-04-05	.4	.00	.0	222	161	0	168	--	27
MF 202	72-04-05	.1	2.1	9.3	256	192	94	98	--	30
MF 205	72-04-05	1.0	.00	.0	335	219	92	127	--	18
MF 207	72-04-05	.4	.40	1.8	229	149	36	113	--	15
TOWN OF MIDDLETOWN--Continued										
MT 249	72-04-05	.4	.00	.0	292	186	38	148	--	6
MT 250	72-04-05	.1	1.5	6.7	155	77	17	65	--	16
MT 253	72-04-05	.1	.90	4.0	180	137	26	112	--	13
MT 254	72-04-05	.0	.41	1.8	160	134	27	107	--	13
MT 255	72-04-05	.3	.20	.9	159	91	9	107	--	30
MT 256	72-04-05	2.1	.05	.2	930	568	508	63	--	12
MT 257	72-04-05	.1	1.5	6.7	130	91	2	89	--	19
MT 258	72-04-05	.6	.09	.4	114	86	10	76	--	12
MT 260	72-04-05	.5	.70	3.1	494	329	114	215	--	14
MT 261	72-04-05	.1	2.9	13	144	95	69	64	--	17
MT 263	72-04-05	.1	1.1	4.9	310	175	5	171	--	53
MT 380	72-05-03	--	--	--	--	--	--	--	--	--
TOWN OF NEW BRITAIN--Continued										
NB 213	72-04-06	.4	1.9	8.7	470	290	110	196	--	26
TOWN OF NEW HARTFORD--Continued										
NH 100	71-11-17	.1	1.1	4.9	56	17	5	7	.02	32
NH 129	72-03-15	.3	.00	.0	75	16	0	64	--	81
TOWN OF NORFOLK--Continued										
NO 31	72-04-25	.0	.02	.1	77	40	1	48	--	19
TOWN OF OLD LYME--Continued										
OL 85	72-04-20	.1	.40	1.8	90	42	10	32	--	29
OL 86	72-04-20	.3	.00	.0	110	69	0	69	--	27
OL 87	72-04-20	--	.30	1.3	--	--	--	--	--	--
TOWN OF OLD SAYBROOK--Continued										
OS 242	72-04-18	.3	.00	.0	79	36	21	15	--	50

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMB SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT- I- FIER	DATE OF SAMPLE	SODIUM AD- SORP- TION RATIO	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TEMP- ERATURE (DEG C)
	CONNECTICUT RIVER BASIN--Continued				
	TOWN OF HEBRON--Continued				
HB 23	72-04-27	.4	333	8.2	11.0
HB 25	72-04-27	--	--	--	10.0
HB 26	72-04-27	1.6	236	8.2	10.5
HB 27	72-04-26	1.0	109	7.5	12.0
HB 29	72-04-26	.4	360	7.6	12.0
HB 30	72-04-27	--	--	--	10.0
HB 31	72-04-27	.3	187	8.2	9.0
HB 32	72-04-27	--	--	--	11.0
	TOWN OF LYME--Continued				
L 227	72-04-20	.9	102	6.0	12.0
L 228	72-04-20	.5	67	7.2	12.0
L 230	72-04-20	.4	90	7.7	10.5
L 231	72-04-20	.5	99	7.0	12.5
	TOWN OF MARLBOROUGH--Continued				
MR 6	72-04-26	.8	259	7.5	11.5
MR 7	72-04-26	--	113	--	11.0
MR 8	72-04-26	.6	293	7.2	9.5
	TOWN OF MIDDLEFIELD--Continued				
MF 194	72-04-05	.7	395	7.7	13.0
MF 196	72-04-18	.3	918	7.2	11.0
MF 197	72-04-04	.3	414	7.3	10.5
MF 199	72-04-05	.0	369	8.0	12.5
MF 200	72-04-05	.9	430	7.6	--
MF 201	72-04-05	.4	320	7.6	12.0
MF 202	72-04-05	.4	342	7.3	13.0
	TOWN OF MIDDLETOWN--Continued				
MT 349	72-04-06	.3	346	7.7	10.5
MT 350	72-04-06	.3	177	6.7	12.0
MT 353	72-04-06	.3	296	7.8	12.0
MT 354	72-04-06	.6	290	8.0	10.5
MT 355	72-04-06	1.7	249	7.6	11.0
MT 356	72-04-06	.7	1190	7.3	12.0
MT 357	72-04-06	.5	230	6.8	12.0
MT 358	72-04-06	.3	196	7.2	11.0
MT 360	72-04-05	.6	730	7.9	10.5
MT 361	72-04-06	.6	247	6.7	12.0
MT 369	72-04-06	2.9	540	7.9	11.0
MT 381	72-05-03	--	--	--	7.0
	TOWN OF NEW BRITAIN--Continued				
NB 210	72-04-04	1.1	679	7.7	12.0
	TOWN OF NEW HARTFORD--Continued				
NH 100	71-11-17	.3	60	6.8	9.0
NH 120	72-03-30	.6	117	7.8	11.0
	TOWN OF NORFOLK--Continued				
NF 51	72-04-06	.5	126	8.0	9.0
	TOWN OF OLD LYME--Continued				
OL 85	72-04-20	.6	122	7.6	12.5
OL 86	72-04-20	.6	199	8.0	9.5
OL 87	72-04-20	--	275	--	13.0
	TOWN OF OLD SAYBROOK--Continued				
OS 262	72-04-18	.6	126	6.9	13.0

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
CONNECTICUT RIVER BASIN--Continued										
TOWN OF PLAINVILLE										
PV 5	41 40 23	072 51 20	01	90	240	112SFDF	72-04-13	15	50	200
PV 28	41 40 16	072 52 56	01	170	60	231SDMM	72-04-12	13	20	0
PV 37	41 40 46	072 53 14	01	350	2.0	231SDMM	72-04-13	16	50	0
PV 70	41 41 32	072 53 31	01	117	4.0	231SDMM	72-04-13	--	40	0
TOWN OF PLYMOUTH										
PM 1	41 41 52	073 03 10	01	67	300	112SFDF	71-11-04	10	100	0
TOWN OF SIMSBURY										
SI 33	41 52 51	072 45 46	01	190	18	231SDMM	72-03-02	16	130	0
SI 37	41 54 11	072 46 29	01	90	100	112SFDF	71-11-26	17	40	20
SI 111	41 54 53	072 51 04	01	457	--	231SDMM	72-03-02	13	150	0
SI 125	41 51 55	072 47 22	01	200	15	231SDMM	72-03-02	9.2	330	0
SI 230	41 51 08	072 47 02	01	414	20	231SDMM	72-03-02	--	40	0
SI 219	41 49 57	072 48 36	01	77	400	112SFDF	72-03-08	14	60	0
SI 250	41 51 51	072 50 19	01	98	200	112SFDF	71-12-16	12	70	0
SI 262	41 52 08	072 49 06	01	250	.50	231SDMM	72-03-07	20	80	0
SI 266	41 49 31	072 48 45	01	250	10	231SDMM	72-03-08	20	100	10
SI 255	41 49 50	072 51 40	01	80	4.0	112SFDF	72-03-08	12	650	0
SI 276	41 53 43	072 51 08	01	255	5.0	231SDMM	72-03-02	--	170	0
SI 279	41 53 00	072 50 47	01	250	15	231SDMM	72-03-06	--	90	90
TOWN OF SUFFIELD										
SU 38	42 01 35	072 44 55	01	169	5.0	231SDMM	72-02-22	16	50	0
SU 57	42 01 13	072 44 56	01	20	7.0	112SFDF	72-02-22	6.9	110	200
SU 211	41 59 11	072 44 31	01	170	10	231SDMM	72-02-24	--	20	0
SU 228	42 01 12	072 45 47	01	208	60	112SFDF	71-11-22	15	80	0
SU 231	42 00 11	072 44 06	01	100	4.0	231SDMM	72-02-22	16	30	0
TOWN OF TORRINGTON										
T 39	41 50 47	073 05 16	01	40	6.0	300NCBC	72-03-30	16	90	0
TOWN OF WINCHESTER										
WI 17	41 56 50	073 06 11	01	116	3.0	300NCBC	72-03-20	18	80	0
WI 26	41 57 44	073 04 03	01	119	4.0	300NCBC	72-03-29	14	10	0
WI 6	41 55 30	073 03 42	01	198	1.0	300NCBC	72-04-03	--	160	0
HAMMONASSET RIVER BASIN										
TOWN OF MADISON										
MA 290	41 16 25	072 30 22	01	93	7.0	300NCBC	72-04-19	8.1	70	30
MA 291	41 17 55	072 35 30	01	100	6.0	300NCBC	72-04-19	--	230	40
MA 295	41 20 14	072 37 56	01	220	60	300NCBC	72-05-04	--	70	0
MILL RIVER BASIN (east of Housatonic River)										
TOWN OF NEW HAVEN										
NH 256	41 18 43	072 54 39	01	59	--	112SFDF	71-10-21	--	--	--
							71-11-29	--	--	--
							71-12-27	--	--	--
							72-01-26	--	--	--
							72-02-28	--	--	--
							72-04-05	--	--	--
							72-04-27	--	--	--
							72-05-31	--	--	--
							72-06-27	--	--	--
							72-07-26	--	--	--
							72-08-01	--	--	--
							72-09-08	--	--	--

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSX IGNEOUS EXTRUSIVES,
231SDMM SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
CONNECTICUT RIVER BASIN--Continued										
TOWN OF PLAINVILLE--Continued										
PV 5	72-04-13	25	6.0	20	2.7	45	0	1.1	30	39
PV 28	72-04-12	52	3.0	19	.8	103	0	1.0	26	41
PV 37	72-04-10	.1	.0	56	.2	122	0	3.1	15	6.9
PV 78	72-04-10	--	--	--	--	--	--	--	--	--
TOWN OF PLYMOUTH--Continued										
PM 1	71-11-04	6.5	2.0	8.5	1.5	16	0	2.6	12	13
TOWN OF SIMSBURY--Continued										
SI 33	72-03-02	21	3.4	4.4	.4	58	0	1.2	19	6.0
SI 37	71-11-24	58	11	7.7	1.0	67	0	3.4	140	5.4
SI 111	72-03-02	8.0	.1	26	.4	60	0	.8	31	1.5
SI 125	72-03-02	23	2.2	11	.9	42	0	1.1	18	14
SI 208	72-03-02	--	--	--	--	--	--	--	--	--
SI 219	72-03-08	52	6.9	16	1.5	105	0	.9	41	9.0
SI 230	71-12-14	20	.9	9.2	.5	43	0	8.7	12	19
SI 242	72-03-07	32	1.5	7.0	.4	63	0	1.0	9.2	27
SI 244	72-03-09	419	50	64	1.7	63	0	1.0	1300	8.9
SI 255	72-03-08	24	2.5	6.2	.9	62	0	.8	9.8	9.5
SI 274	72-03-02	--	--	--	--	--	--	--	--	--
SI 279	72-03-06	--	--	--	--	--	--	--	--	--
TOWN OF SUFFIELD--Continued										
SU 38	72-02-22	19	.8	6.6	.5	60	0	1.0	6.5	3.4
SU 57	72-02-22	28	7.6	34	16	8	0	1.6	27	54
SU 211	72-02-24	--	--	--	--	--	--	--	--	--
SU 228	71-11-22	30	2.1	3.1	1.1	69	0	3.3	13	2.7
SU 231	72-02-22	44	12	8.0	.6	130	1	.9	18	27
TOWN OF TORRINGTON--Continued										
T 39	72-03-30	6.8	1.7	6.0	.7	8	0	1.3	6.6	12
TOWN OF WINCHESTER--Continued										
WI 19	72-03-29	32	11	6.0	2.6	126	0	1.0	18	9.0
WI 24	72-03-29	37	13	7.0	3.5	133	0	2.1	27	11
WI 4	72-04-03	--	--	--	--	--	--	--	--	--
HAMMONASSET RIVER BASIN--Continued										
TOWN OF MADISON--Continued										
MA 289	72-04-19	10	1.3	25	1.6	4	0	13	10	51
MA 291	72-04-19	--	--	--	--	--	--	--	--	--
MA 293	72-05-04	--	--	--	--	--	--	--	--	--
MILL RIVER BASIN (east of Housatonic River)--Continued										
TOWN OF NEW HAVEN--Continued										
NHN 355	71-10-21	--	--	--	--	--	--	--	--	96
	71-11-23	--	--	--	--	--	--	--	--	140
	71-12-27	--	--	--	--	--	--	--	--	95
	72-01-26	--	--	--	--	--	--	--	--	120
	72-02-28	--	--	--	--	--	--	--	--	140
	72-04-03	--	--	--	--	--	--	--	--	120
	72-04-27	--	--	--	--	--	--	--	--	140
	72-05-31	--	--	--	--	--	--	--	--	85
	72-06-27	--	--	--	--	--	--	--	--	94
	72-07-26	--	--	--	--	--	--	--	--	150
	72-09-01	--	--	--	--	--	--	--	--	330
	72-09-30	--	--	--	--	--	--	--	--	170

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS_SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	PERCENT SODIUM
				CONNECTICUT RIVER BASIN--Continued						
				TOWN OF PLAINVILLE--Continued						
PV 5	72-04-13	.1	4.6	20	180	87	50	37	--	32
PV 26	72-04-12	.1	3.6	16	221	142	58	84	--	22
PV 37	72-04-10	.1	1.0	4.4	159	0	0	103	--	100
PV 78	72-04-10	--	--	--	--	195	--	--	--	--
				TOWN OF PLYMOUTH--Continued						
PM 1	71-11-04	.0	1.1	4.9	66	24	11	13	.02	41
				TOWN OF SIMSBURY--Continued						
SI 33	72-03-02	.1	.80	3.5	100	66	19	49	--	13
SI 37	71-11-24	.2	1.4	6.2	274	190	138	59	.02	8
SI 111	72-03-02	.3	.0	.0	110	20	0	49	--	73
SI 125	72-03-02	.1	4.9	22	121	66	32	34	--	26
SI 208	72-03-02	--	--	--	--	58	--	--	--	--
SI 219	72-03-09	.1	7.0	31	223	158	72	86	--	18
SI 230	71-12-16	.0	.90	4.0	90	54	19	35	.02	27
SI 242	72-03-07	.0	1.3	5.7	142	86	34	52	--	15
SI 244	72-03-08	.6	.00	.0	1895	1252	1200	52	--	10
SI 255	72-03-08	.1	2.9	13	108	70	19	51	--	16
SI 274	72-03-02	--	--	--	--	8	--	--	--	--
SI 279	72-03-06	--	--	--	--	75	--	--	--	--
				TOWN OF SUFFIELD--Continued						
SU 38	72-02-22	.1	.30	1.3	73	48	0	49	--	23
SU 57	72-02-22	.1	24	106	284	101	98	7	--	39
SU 211	72-02-24	--	--	--	--	79	--	--	--	--
SU 228	71-11-22	.1	5.7	25	124	84	30	53	.05	7
SU 231	72-02-22	.1	.60	2.6	198	159	43	116	--	10
				TOWN OF TORRINGTON--Contineud						
T 39	72-03-30	.0	2.5	11	63	24	17	7	--	34
				TOWN OF WINCHESTER--Continued						
WI 19	72-03-29	.1	4.1	18	171	125	22	103	--	9
WI 24	72-03-29	.0	4.2	19	196	146	37	109	--	9
WI 4	72-04-03	--	--	--	--	83	--	--	--	--
				HAMMONASSET RIVER BASIN--Continued						
				TOWN OF MADISON--Continued						
MA 289	72-04-19	.0	1.6	7.1	116	30	27	3	--	63
MA 291	72-04-19	--	.30	1.3	--	--	--	--	--	--
MA 293	72-05-04	--	.20	.9	--	--	--	--	--	--
				MILL RIVER BASIN (east of Housatonic River)--Continued						
				TOWN OF NEW HAVEN--Continued						
NHV 355	71-10-21	--	--	--	--	--	--	--	--	--
	71-11-23	--	--	--	--	--	--	--	--	--
	71-12-27	--	--	--	--	--	--	--	--	--
	72-01-26	--	--	--	--	--	--	--	--	--
	72-02-24	--	--	--	--	--	--	--	--	--
	72-04-03	--	--	--	--	--	--	--	--	--
	72-04-27	--	--	--	--	--	--	--	--	--
	72-05-31	--	--	--	--	--	--	--	--	--
	72-06-27	--	--	--	--	--	--	--	--	--
	72-07-26	--	--	--	--	--	--	--	--	--
	72-09-01	--	--	--	--	--	--	--	--	--
	72-09-30	--	--	--	--	--	--	--	--	--

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	SODIUM AD-SORP-TION RATIO	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TEMP-ERATURE (DEG C)
	CONNECTICUT RIVER BASIN--Continued				
	TOWN OF PLAINVILLE--Continued				
PV 5	72-04-13	.9	315	7.8	13.5
PV 29	72-04-12	.7	392	8.2	13.0
PV 37	72-04-10	69	253	7.9	9.5
PV 78	72-04-10	--	410	--	9.5
	TOWN OF PLYMOUTH--Continued				
PY 1	71-11-04	.7	193	7.3	13.5
	TOWN OF SIMSBURY--Continued				
SI 33	72-03-02	.2	155	7.9	14.0
SI 37	71-11-24	.2	405	7.5	12.0
SI 111	72-03-02	2.5	169	8.1	11.0
SI 125	72-03-02	.6	299	7.8	15.0
SI 208	72-03-02	--	175	--	9.0
SI 219	72-03-08	.6	334	8.3	11.0
SI 239	71-12-14	.5	165	6.9	9.0
SI 242	72-03-07	.3	226	9.0	11.0
SI 244	72-03-08	.8	2060	8.0	10.0
SI 255	72-03-08	.3	178	8.1	7.0
SI 274	72-03-02	--	165	--	11.0
SI 279	72-03-06	--	190	--	9.0
	TOWN OF SUFFIELD--Continued				
SU 39	72-02-22	.4	126	8.0	10.5
SU 57	72-02-22	1.5	467	6.9	12.0
SU 211	72-02-24	--	170	--	9.5
SU 224	71-11-22	.1	196	7.5	11.0
SU 231	72-02-22	.3	337	8.4	12.0
	TOWN OF TORRINGTON--Continued				
T 39	72-03-30	.5	94	7.0	12.5
	TOWN OF WINCHESTER--Continued				
WI 19	72-03-29	.2	279	8.3	12.0
WI 24	72-03-29	.3	335	8.0	11.0
WI 4	72-04-03	--	160	--	10.5
	HAMMONASSET RIVER BASIN--Continued				
	TOWN OF MADISON--Continued				
MA 289	72-04-19	2.0	225	5.7	9.0
MA 291	72-04-19	--	200	--	10.0
MA 293	72-05-04	--	--	--	--
	MILL RIVER BASIN (east of Housatonic River)--Continued				
	TOWN OF NEW HAVEN--Continued				
NHW 358	71-10-21	--	725	--	14.0
	71-11-23	--	855	--	14.0
	71-12-27	--	660	--	13.0
	72-01-24	--	760	--	13.5
	72-02-28	--	875	--	12.0
	72-04-03	--	790	--	11.5
	72-04-27	--	750	--	15.0
	72-05-31	--	755	--	14.5
	72-06-27	--	750	--	15.0
	72-07-26	--	820	--	16.5
	72-09-01	--	990	--	17.0
	72-09-30	--	1000	--	15.0

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO- LOGIC UNIT	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
				NECK RIVER BASIN						
				TOWN OF MADISON						
MA 249	41 17 42	072 37 05	01	400	27	300NCBC	72-04-19	21	130	0
				OYSTER RIVER BASIN						
				TOWN OF OLD SAYBROOK						
OS 252	41 17 26	072 23 57	01	95	190	112SFDF	72-04-18	18	4500	250
OS 261	41 17 28	072 24 13	01	20	40	112SFDF	72-04-18	13	190	230
OS 263	41 19 15	072 23 46	01	150	10	300NCBC	72-04-19	--	330	40
				WEST RIVER BASIN (east of Quinnipiac River)						
				TOWN OF GUILFORD						
G 376	41 17 32	072 41 22	01	96	900	112SFDF	72-05-10	--	--	--
				WEST RIVER BASIN (west of Quinnipiac River)						
				TOWN OF NEW HAVEN						
NHN 358	41 18 34	072 57 07	01	44	5 --	112SFDF	71-10-21	--	--	--
							71-11-23	--	--	--
							71-12-27	--	--	--
							72-01-24	--	--	--
							72-02-28	--	--	--
							72-04-03	--	--	--
							72-04-27	--	--	--
							72-05-31	--	--	--
							72-06-27	--	--	--
							72-07-26	--	--	--
							72-09-01	--	--	--
							72-09-30	--	--	--
				LONG ISLAND SOUND						
				TOWN OF NEW HAVEN						
NHN 354	41 18 26	072 55 36	01	43	3	112SFDF	71-10-21	--	--	--
							71-11-23	--	--	--
							71-12-27	--	--	--
							72-01-24	--	--	--
							72-02-28	--	--	--
							72-04-03	--	--	--
							72-04-27	--	--	--
							72-05-31	--	--	--
							72-06-27	--	--	--
							72-07-26	--	--	--
							72-09-01	--	--	--
							72-09-30	--	--	--
NHN 356	41 18 01	072 54 50	01	41	--	112SFDF	71-10-21	--	--	--
							71-11-23	--	--	--
							71-12-27	--	--	--
							72-01-24	--	--	--
							72-02-28	--	--	--
							72-04-03	--	--	--
							72-04-27	--	--	--
							72-05-31	--	--	--
							72-06-27	--	--	--
							72-07-26	--	--	--
							72-09-01	--	--	--
							72-09-30	--	--	--

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMD SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
				NECK RIVER BASIN--Continued						
				TOWN OF MADISON--Continued						
MA 289	72-04-19	6.0	1.7	4.7	2.0	32	0	5.1	4.9	2.7
				OYSTER RIVER BASIN--Continued						
				TOWN OF OLD SAYBROOK--Continued						
OS 259	72-04-19	15	4.4	14	2.5	23	0	1.8	42	20
OS 261	72-04-18	21	5.6	11	2.7	27	0	17	47	16
OS 253	72-04-18	--	--	--	--	--	--	--	--	--
				WEST RIVER BASIN (east of Quinnipiac River)--Continued						
				TOWN OF GUILFORD--Continued						
G 374	72-05-10	--	--	--	--	--	--	--	--	--
				WEST RIVER BASIN (west of Quinnipiac River)--Continued						
				TOWN OF NEW HAVEN--Continued						
NHV 358	71-10-21	--	--	--	--	--	--	--	--	30
	71-11-23	--	--	--	--	--	--	--	--	35
	71-12-27	--	--	--	--	--	--	--	--	58
	72-01-24	--	--	--	--	--	--	--	--	53
	72-02-29	--	--	--	--	--	--	--	--	46
	72-04-03	--	--	--	--	--	--	--	--	37
	72-04-27	--	--	--	--	--	--	--	--	35
	72-05-31	--	--	--	--	--	--	--	--	30
	72-06-27	--	--	--	--	--	--	--	--	31
	72-07-26	--	--	--	--	--	--	--	--	33
	72-09-01	--	--	--	--	--	--	--	--	34
	72-09-30	--	--	--	--	--	--	--	--	33
				LONG ISLAND SOUND--Continued						
				TOWN OF NEW HAVEN--Continued						
NHN 354	71-10-21	--	--	--	--	--	--	--	--	53
	71-11-23	--	--	--	--	--	--	--	--	51
	71-12-27	--	--	--	--	--	--	--	--	54
	72-01-24	--	--	--	--	--	--	--	--	76
	72-02-28	--	--	--	--	--	--	--	--	87
	72-04-03	--	--	--	--	--	--	--	--	100
	72-04-27	--	--	--	--	--	--	--	--	120
	72-05-31	--	--	--	--	--	--	--	--	120
	72-06-27	--	--	--	--	--	--	--	--	130
	72-07-26	--	--	--	--	--	--	--	--	130
	72-09-01	--	--	--	--	--	--	--	--	230
	72-09-30	--	--	--	--	--	--	--	--	100
NHN 356	71-10-21	--	--	--	--	--	--	--	--	240
	71-11-23	--	--	--	--	--	--	--	--	250
	71-12-27	--	--	--	--	--	--	--	--	230
	72-01-24	--	--	--	--	--	--	--	--	240
	72-02-28	--	--	--	--	--	--	--	--	210
	72-04-03	--	--	--	--	--	--	--	--	230
	72-04-27	--	--	--	--	--	--	--	--	210
	72-05-31	--	--	--	--	--	--	--	--	220
	72-06-27	--	--	--	--	--	--	--	--	210
	72-07-26	--	--	--	--	--	--	--	--	200
	72-09-01	--	--	--	--	--	--	--	--	420
	72-09-30	--	--	--	--	--	--	--	--	200

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	PERCENT SODIUM
NECK RIVER BASIN--Continued										
TOWN OF MADISON--Continued										
MA 289	72-04-19	.1	.00	.0	58	22	0	26	--	29
OYSTER RIVER BASIN--Continued										
TOWN OF OLD SAYBROOK--Continued										
OS 259	72-04-19	.1	.00	.0	127	56	37	19	--	34
OS 261	72-04-19	.1	3.0	13	144	75	53	22	--	23
OS 263	72-04-18	--	.00	.0	--	--	--	--	--	--
WEST RIVER BASIN (east of Quinnipiac River)--Continued										
TOWN OF GUILFORD--Continued										
G 374	72-05-10	--	--	--	--	--	--	--	--	--
WEST RIVER BASIN (west of Quinnipiac River)--Continued										
TOWN OF NEW HAVEN--Continued										
NHN 359	71-10-21	--	--	--	--	--	--	--	--	--
	71-11-23	--	--	--	--	--	--	--	--	--
	71-12-27	--	--	--	--	--	--	--	--	--
	72-01-24	--	--	--	--	--	--	--	--	--
	72-02-28	--	--	--	--	--	--	--	--	--
	72-04-03	--	--	--	--	--	--	--	--	--
	72-04-27	--	--	--	--	--	--	--	--	--
	72-05-31	--	--	--	--	--	--	--	--	--
	72-06-27	--	--	--	--	--	--	--	--	--
	72-07-26	--	--	--	--	--	--	--	--	--
	72-09-01	--	--	--	--	--	--	--	--	--
	72-09-30	--	--	--	--	--	--	--	--	--
LONG ISLAND SOUND--Continued										
TOWN OF NEW HAVEN--Continued										
NHN 354	71-10-21	--	--	--	--	--	--	--	--	--
	71-11-23	--	--	--	--	--	--	--	--	--
	71-12-27	--	--	--	--	--	--	--	--	--
	72-01-24	--	--	--	--	--	--	--	--	--
	72-02-28	--	--	--	--	--	--	--	--	--
	72-04-03	--	--	--	--	--	--	--	--	--
	72-04-27	--	--	--	--	--	--	--	--	--
	72-05-31	--	--	--	--	--	--	--	--	--
	72-06-27	--	--	--	--	--	--	--	--	--
	72-07-26	--	--	--	--	--	--	--	--	--
	72-09-01	--	--	--	--	--	--	--	--	--
	72-09-30	--	--	--	--	--	--	--	--	--
NHN 356	71-10-21	--	--	--	--	--	--	--	--	--
	71-11-23	--	--	--	--	--	--	--	--	--
	71-12-27	--	--	--	--	--	--	--	--	--
	72-01-24	--	--	--	--	--	--	--	--	--
	72-02-28	--	--	--	--	--	--	--	--	--
	72-04-03	--	--	--	--	--	--	--	--	--
	72-04-27	--	--	--	--	--	--	--	--	--
	72-05-31	--	--	--	--	--	--	--	--	--
	72-06-27	--	--	--	--	--	--	--	--	--
	72-07-26	--	--	--	--	--	--	--	--	--
	72-09-01	--	--	--	--	--	--	--	--	--
	72-09-30	--	--	--	--	--	--	--	--	--

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNSE IGNEOUS EXTRUSIVES,
231SDMD SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK,
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENTI-FIER	DATE OF SAMPLE	SODIUM AD-SORP-TION RATIO	SPECI-FIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)
NECK RIVER BASIN--Continued					
TOWN OF MADISON--Continued					
MA 288	72-04-19	.4	72	7.0	12.0
OYSTER RIVER BASIN--Continued					
TOWN OF OLD SAYBROOK--Continued					
OS 259	72-04-18	.8	203	7.3	12.0
OS 261	72-04-18	.6	235	6.4	9.0
OS 263	72-04-18	--	160	--	12.0
WEST RIVER BASIN (east of Quinnipiac River)--Continued					
TOWN OF GUILFORD--Continued					
G 374	72-05-10	--	196	--	10.0
WEST RIVER BASIN (west of Quinnipiac River)--Continued					
TOWN OF NEW HAVEN--Continued					
NHN 358	71-10-21	--	990	--	14.5
	71-11-23	--	1300	--	14.0
	71-12-27	--	940	--	14.5
	72-01-24	--	930	--	14.0
	72-02-28	--	820	--	14.5
	72-04-03	--	780	--	14.0
	72-04-27	--	640	--	14.0
	72-05-31	--	815	--	15.5
	72-06-27	--	790	--	16.0
	72-07-26	--	600	--	16.0
	72-09-01	--	690	--	16.0
	72-09-30	--	565	--	16.0
LONG ISLAND SOUND--Continued					
TOWN OF NEW HAVEN--Continued					
NHN 354	71-10-21	--	675	--	15.0
	71-11-23	--	750	--	15.0
	71-12-27	--	610	--	15.0
	72-01-24	--	650	--	14.5
	72-02-28	--	690	--	14.5
	72-04-03	--	730	--	14.0
	72-04-27	--	650	--	14.0
	72-05-31	--	865	--	15.0
	72-06-27	--	850	--	15.5
	72-07-26	--	780	--	16.0
	72-09-01	--	820	--	16.5
	72-09-30	--	800	--	15.0
NHN 356	71-10-21	--	1650	--	14.0
	71-11-23	--	1750	--	13.0
	71-12-27	--	1500	--	13.0
	72-01-24	--	1480	--	14.0
	72-02-28	--	1500	--	13.5
	72-04-03	--	1550	--	13.5
	72-04-27	--	1270	--	13.5
	72-05-31	--	1700	--	14.0
	72-06-27	--	1550	--	15.0
	72-07-26	--	1450	--	15.0
	72-09-01	--	1600	--	14.5
	72-09-30	--	1700	--	15.0

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT
MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	TOTAL DEPTH OF WELL (FT)	FLOW RATE (GPM)	GEO- LOGIC UNIT	DATE OF SAMPLE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
				CONNECTICUT RIVER BASIN						
				TOWN OF BERLIN						
				TOWN OF BRISTOL						
BS 3	41 40 24	072 53 53	01	260	110	231SDMN	72-04-06	--	--	1
BS 76	41 40 09	072 50 15	01	8.0	--	112SFDF	72-04-10	--	--	0
BS 95	41 40 07	072 55 11	01	40	300	112SFDF	72-04-06	--	--	3
				TOWN OF COLCHESTER						
CO 323 A	41 32 47	072 24 41	01	415	12	300NCBC	72-06-01	5	--	0
				TOWN OF DURHAM						
D 73	41 27 36	072 41 59	01	--	--	231SDMN	71-12-28	--	1700	--
	41 27 36	072 41 59	01	400	3.0	231SDMN	72-05-04	0	--	0
				TOWN OF FARMINGTON						
F 237	41 44 45	072 51 30	01	370	78	231SDMN	71-11-29	0	--	1
				TOWN OF MIDDLETOWN						
MT 309	41 33 31	072 37 24	01	59	757	112SFDF	72-05-03	2	--	0
				TOWN OF PLAINVILLE						
PV 28	41 40 14	072 52 56	01	123	60	231SDMN	72-04-12	--	--	2
				WEST RIVER BASIN (east of Quinnipiac River)						
				TOWN OF GUILFORD						
G 374	41 17 32	072 41 32	01	86	800	112SFDF	72-05-10	1	--	0

A: COMPOSITE SAMPLE WITH CO 334

GEOLOGIC UNIT: 112SFDF STRATIFIED DRIFT, 112TILL GLACIAL TILL, 231IGNEX IGNEOUS EXTRUSIVES,
231SDMN SEDIMENTARY BEDROCK, 300CBCL CARBONATE CRYSTALLINE BEDROCK
300NCBC NON-CARBONATE CRYSTALLINE BEDROCK

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT
MINOR ELEMENT ANALYSES, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

LOCAL IDENT-I-FIER	DATE OF SAMPLE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
				CONNECTICUT RIVER BASIN--Continued						
				TOWN OF BERLIN--Continued						
B 301	72-05-02	0	--	0	60	0	240	<.5	--	90
				TOWN OF BRISTOL--Continued						
BS 3	72-04-06	0	--	70	120	0	0	--	--	10
BS 78	72-04-10	0	--	0	30	0	0	--	--	0
BS 95	72-04-06	66	--	50	50	0	750	--	--	640
				TOWN OF COLCHESTER--Continued						
CO 323 A	72-06-01	0	--	250	4900	0	390	<.5	--	20
				TOWN OF DURHAM--Continued						
D 29	71-12-20	--	--	--	250	--	50	--	50	--
	72-05-04	0	--	0	--	0	--	<.5	--	40
				TOWN OF FARMINGTON--Continued						
F 237	71-11-29	0	2	--	10	0	0	<.5	--	30
				TOWN OF MIDDLETOWN--Continued						
MT 389	72-05-03	0	--	0	--	0	--	<.5	--	0
				TOWN OF PLAINVILLE--Continued						
PV 29	72-04-12	140	--	40	20	0	0	--	--	10
				WEST RIVER BASIN (east of Quinnipiac River)--Continued						
				TOWN OF GUILFORD--Continued						
G 374	72-05-10	0	--	0	--	0	--	.5	--	0

A: COMPOSITE SAMPLE WITH CO 334

CONNECTICUT RIVER BASIN

NEAR COLEBROOK, CONN.

LOCATION.--Lat 42°00'15", long 73°02'32", Litchfield County, at U.S. Corps of Engineer Weather Station, Colebrook River Reservoir, 0.2 mile east of State Highway 8, 2.7 miles northeast of Colebrook.

RECORDS AVAILABLE.--Chemical analyses: April to November 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diameter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the U.S. Corps of Engineer Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, OCTOBER TO NOVEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPI-TATION	SILICA (SIO2) (MG/L)	CAL-CIUM (CA) (MG/L)	MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	AMMONIA (NH4 AS N) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
10-01-71 to 11-01-71	3.48	0.0	0.1	0.03	0.2	0.3	0.93	0.72	1.0	2.30	0.60
11-01-71 to 11-30-71	4.28	0.0	0.2	0.07	0.3	0.1	0.40	0.31	0.0	3.90	1.00

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (CALCU-LATED) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	SPECI-FIC CON-DUCTANCE (MICRO-MHOS)
10-01-71 to 11-01-71	0.0	0.88	0.20	6	0	0	5.7	14
11-01-71 to 11-30-71	0.0	3.40	0.77	9	1	1	4.3	43

CHEMICAL QUALITY OF PRECIPITATION

CONNECTICUT RIVER BASIN

NEAR BURLINGTON, CONN.

LOCATION.--Lat 41°47'40", long 72°55'58", Hartford County, at National Weather Service Station, Burlington, at the Metropolitan District Commission Nepaug Station maintenance headquarters, 0.3 mile west of State Highway 179.

RECORDS AVAILABLE.--Chemical analyses: April to November 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diameter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSIS, OCTOBER TO NOVEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	SILICA (SIO2) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	AMMONIA (NH4 AS N) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
10-01-71 to 11-01-71	4.02	0.0	0.5	0.07	0.7	0.6	--	--	0.0	4.30	0.50
11-01-71 to 11-30-71	5.25	0.0	0.4	0.09	0.4	0.2	0.10	0.08	0.0	3.80	0.70

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (CALCULATED) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
10-01-71 to 11-01-71	0.0	0.88	0.20	7	2	2	5.30	17
11-01-71 to 11-30-71	0.0	2.03	0.46	8	1	1	4.50	30

CONNECTICUT RIVER BASIN

NEAR NEW BRITAIN, CONN.

LOCATION.--Lat 41°38'42", long 72°49'02", Hartford County, at New Britain water treatment plant, 25 feet northwest of filter plant, 1.2 miles northeast of National Weather Service Station Shuttle Meadow Reservoir, and 2.7 miles southwest of New Britain.

RECORDS AVAILABLE.--Chemical analyses: April to December 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided glass funnel approximately 6.5 inches in diameter which drains into a polyethylene receiving container. A fritted glass disk is used as a filter between the collector and the receiving container. The receiving container is enclosed in an insulated box equipped with a thermostatically controlled heating element designed to keep the temperature between 4°C and 7°C. The opening for the collector is approximately five feet above ground level and is protected by a windshield.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, OCTOBER TO DECEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	SILICA (SIO2) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	AMMONIA (NH4 AS N) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
10-01-71 to 11-01-71	4.23	0.2	0.4	0.04	1.5	0.8	0.71	0.55	0.0	6.5	2.00
11-01-71 to 12-02-71	5.46	0.1	0.5	0.14	3.0	2.3	1.40	1.10	0.0	8.3	1.70

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (CALCULATED) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
10-01-71 to 11-01-71	0.0	1.33	0.30	13	1	1	4.10	43
11-01-71 to 12-02-71	0.0	3.99	0.90	22	2	2	4.70	54

CONNECTICUT RIVER BASIN

NEAR AMSTON, CONN.

LOCATION.--Lat 41°36'34", long 72°21'38", Tolland County, at Hebron Highway Department garage, 100 feet southwest of highway garage, 4.2 miles northeast of National Weather Service Station Colchester 1E, and 1.2 miles southwest of Amston.

RECORDS AVAILABLE.--Chemical analyses: April to December 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diameter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.5 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, OCTOBER TO DECEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	SILICA (SIO2) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	AMMONIA (NH4 AS N) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
10-01-71 to 11-01-71	3.74	0.0	0.2	0.03	0.4	0.5	--	--	0.0	3.90	0.80
11-01-71 to 12-02-71	5.69	0.0	0.4	0.10	0.5	0.2	0.52	0.40	0.0	4.90	0.90

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	NITRATE (N) (MG/L)	DISSOLVED SOLIDS (CALCULATED) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
10-01-71 to 11-01-71	0.0	1.77	0.40	8	1	1	4.50	28
11-01-71 to 12-02-71	0.0	2.65	0.60	9	1	1	4.40	33

CONNECTICUT RIVER BASIN

AT ESSEX, CONN.

LOCATION.--Lat 41°20'57", long 72°23'07", Middlesex County, at Essex Marine Laboratory, 25 feet east of Essex Marine Laboratory, 4 miles northeast of National Weather Service Station Westbrook, and 0.6 mile southeast of Essex.

RECORDS AVAILABLE.--Chemical analyses: April to December 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diameter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.5 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, OCTOBER TO DECEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPI-TATION	SILICA (SIO2) (MG/L)	CAL-CIUM (CA) (MG/L)	MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	AMMONIA (NH4 AS N) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
10-01-71 to 11-01-71	3.50	0.0	0.1	0.10	1.6	0.1	--	--	0.0	4.70	2.40
11-01-71 to 12-08-71	5.60	0.0	0.2	0.12	1.1	0.3	0.63	0.49	0.0	5.00	1.00

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (CALCU-LATED) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	SPECI-FIC CON-DUCTANCE (MICRO-MHOS)
10-01-71 to 11-01-71	0.0	2.21	0.50	13	2	2	4.50	41
11-01-71 to 12-08-71	0.0	3.09	0.70	11	1	1	4.30	41

PART 3. GROUND-WATER RECORDS

FAIRFIELD COUNTY

413007N0732505.1. (BD 8) U.S. Geological Survey, Route 7, Brookfield. Bored unused observation water-table well in sand and gravel of Pleistocene age, diam 1¼ in, depth 53 ft, well point 50-53, plastic. Lsd about 255 ft above msl. MP top of steel casing, 0.40 ft above lsd (formerly 1.10). Highest water level 26.89 June 26, 1972; lowest 33.05 Jan. 4, 1967. Records available 1967-72.

1971		1972		May 24	27.67
Oct. 26	29.89	Jan. 24	29.14	June 26	26.89
Nov. 23	30.29	Feb. 22	29.01	July 24	27.55
Dec. 29	29.42	Mar. 24	27.40	Aug. 21	29.61
		Apr. 24	27.33	Sept. 22	31.15

411256N0731531.1. (FF 23) U.S. Geological Survey. Merritt Parkway near Rt. 59, Fairfield. Bored unused observation water-table well in glacial gravel of Pleistocene age, diam 1¼ in, depth 42 ft, screened 39-42, steel. Lsd 130 ft above msl. MP top of casing, 2.40 ft above lsd. Highest water level 4.78 June 23, 1972; lowest 8.79 Sept. 25, 1967. Records available 1966-72.

1971		1972		May 22	7.33
Oct. 21	8.17	Jan. 24	8.16	June 23	4.78
Nov. 23	8.29	Feb. 23	7.74	July 24	8.03
Dec. 27	8.09	Mar. 24	6.63	Aug. 22	8.40
		Apr. 21	7.62	Sept. 25	8.59

412429N0731651.1. (NT 15) U.S. Geological Survey. Near Fairfield State Hospital, Newtown. Bored unused observation water-table well in glacial sand and gravel of Pleistocene age, diam 1¼ in, depth 33 ft, well point 31-33, plastic. Lsd about 265 ft above msl. MP lowest inside edge of plastic pipe, 2.40 ft above lsd. Highest water level 0.61 June 26,1972; lowest 10.50 Oct. 23, 1971. Records available 1967-72.

1971		1972		May 24	2.56
Oct. 26	4.37	Jan. 24	3.54	June 26	.61
Nov. 23	4.85	Feb. 22	4.39	July 24	3.17
Dec. 29	3.49	Mar. 24	4.38	Aug. 21	5.52
		Apr. 24	2.43	Sept. 22	7.90

HARTFORD COUNTY

414615N0725816.1. (BU 2) John Copjec. Junction of State Route 4e and 69, Burlington. Dug domestic water-table well in glacial till of Pleistocene age, diam 36 in, depth 38 ft, stone-lined. Lsd about 880 ft above msl. MP top of curb, 3.00 ft above lsd. Highest water level 12.70 Aug. 19, 1955; lowest 37.41 Dec. 22, 1948. Records available 1946-72.

1971		1972		May 24	16.16
Oct. 26	19.32	Jan. 24	17.10	June 26	15.99
Nov. 23	18.97	Feb. 22	17.93	July 24	16.27
Dec. 29	17.07	Mar. 24	16.88	Aug. 21	19.08
		Apr. 24	16.73	Sept. 22	22.81

414910N0723721.1. (SW 64). Robert S. Starr, Jr. Main St., South Windsor. Dug unused water-table well in glacial sand of Pleistocene age, diam 24 in, depth 18 ft, brick-lined. Lsd about 40 ft above msl. MP top edge of hole in flagstone cover, 0.50 ft above lsd. Highest water level 7.15 Mar. 30, 1936; lowest 15.22 Jan. 26, 1966. Records available 1934-39, 1948-72.

1971		1972		May 22	9.23
Oct. 21	12.40	Jan. 24	10.95	June 21	9.20
Nov. 23	12.25	Feb. 23	11.21	July 24	9.29
Dec. 28	11.26	Mar. 24	9.11	Aug. 22	10.40
		Apr. 21	9.67	Sept. 25	11.34

LITCHFIELD COUNTY

420129N0731990.1. (NOC 7) James Lyles. U.S. Route 7 and East Main St., North Canaan. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 12 ft, stone-lined. Lsd about 675 ft above msl. MP top of concrete curb, at lsd. Highest water level 7.60 Mar. 26, 1963; lowest 11.18 Sept. 5, 1961. Records available 1958-72.

1971		1972		May 24	9.47
Oct. 26	9.73	Jan. 24	9.58	June 26	9.17
Nov. 23	9.97	Feb. 22	9.70	July 24	9.83
Dec. 29	9.54	Mar. 24	9.13	Aug. 21	9.46
		Apr. 24	9.03	Sept. 22	10.22

420053N0731552.1. (NOC 15) U.S. Geological Survey. Browns Lane near East Canaan, in North Canaan. Bored unused observation water-table well in sand and gravel of Pleistocene age, diam 1¼ in, depth 17 ft, well point 14-17, plastic. Lsd about 765 ft above msl. MP top of plastic casing 0.60 ft above lsd. Highest water level 4.13 Mar. 24, 1972; lowest 8.77 Oct. 22, 1970. Records available 1967-72. Well destroyed May 1972.

1971		Dec. 29	6.29	Feb. 22	6.23
Oct. 26	7.94			Mar. 24	4.13
Nov. 23	8.19	1972		Apr. 24	3.38
		Jan. 24	5.75		

414910N0730723.1. (T 2) Warrenton Woolen Co. 839 Main St., Torrington. Drilled unused artesian well in crystalline bedrock, diam 8 in, depth 381 ft, cased to 34. Lsd about 650 ft above msl. MP top of casing at lsd. Highest water level 5.02 May 8, 1972; lowest 8.60 Sept. 28, 1964. Records available 1958-72.

1971		Jan. 25	6.13	May 29	6.29
Oct. 4	6.62	31	6.28	June 5	5.85
11	6.16	Feb. 7	6.20	12	5.90
18	6.47	14	5.95	19	6.22
25	6.52	21	6.27	26	5.56
Nov. 1	6.60	29	6.23	July 3	5.60
8	6.50	Mar. 6	5.99	10	5.96
15	6.58	13	5.98	17	6.27
29	6.19	20	5.51	24	6.48
Dec. 6	6.20	27	5.60	31	6.64
13	5.80	Apr. 3	5.84	Aug. 7	6.51
20	6.05	10	6.04	14	6.60
27	6.22	18	5.88	21	6.62
		24	5.54	28	6.54
1972		May 1	5.98	Sept. 5	6.84
Jan. 3	6.08	8	5.02	11	6.69
10	--	15	6.00	18	6.78
17	5.95	22	5.94	25	6.78

413202N0731224.1. (WY 1) Irene Thulin. Main St., about 500 ft south of Orenaug Rd., Woodbury. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 30 in, depth 31 ft, stone-lined. Lsd about 270 ft above msl. MP top of hole in cover, 2.62 ft above lsd. Recording gage installed Oct. 5, 1965; removed May 18, 1970. Highest water level 19.44 Apr. 1, 1953; lowest 31.00 Oct. 10, 1914. Records available 1913-16, 1944-72.

1971		1972		May 24	21.08
Oct. 26	25.75	Jan. 24	21.84	June 26	20.18
Nov. 23	26.08	Feb. 22	22.05	July 24	21.23
Dec. 29	22.45	Mar. 24	20.08	Aug. 21	22.73
		Apr. 24	20.82	Sept. 22	26.08

MIDDLESEX COUNTY

413033N0724320.1. (MF 1) Lyman Gun Sight Corp. Near Baileyville, Middlefield. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in, depth 22 ft, stone-lined. Lsd about 260 ft above msl. MP top of north side of flagstone curb at lsd. Highest water level 3.12 Apr. 3, 1951; lowest 16.92 Nov. 24, 1964. Records available 1946-72.

1971		1972		May 22	5.14
Oct. 21	7.67	Jan. 24	6.57	June 26	3.12
Nov. 23	7.49	Feb. 23	7.80	July 24	7.85
Dec. 27	6.78	Mar. 27	4.26	Aug. 23	10.35
		Apr. 21	6.53	Sept. 26	12.38

413254N0723355.1. (MT 261) United Aircraft Corp., Middletown. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 28 ft, stone-lined. Lsd about 145 ft above msl. MP top of stone cover at lsd. Highest water level 10.46 May 21, 1970; lowest dry Dec. 2, 1957. Records available 1956-72.

1971		1972		May 22	19.10
Oct. 21	19.94	Jan. 24	19.48	June 26	17.86
Nov. 23	19.93	Feb. 24	19.50	July 25	20.24
Dec. 27	19.45	Mar. 28	18.10	Aug. 23	21.28
		Apr. 25	19.08	Sept. 26	23.33

NEW HAVEN COUNTY

411457N0725245.1. (EMV 70) M. A. Doolittle, Silver Sands Rd., East Haven. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in, depth 16 ft, cement tile. Lsd about 25 ft above msl. MP top of concrete curb, 2.10 feet above lsd. Highest water level 6.44 June 21, 1972; lowest 16.03 Nov. 22, 1935. Records available 1935-39, 1951-72.

1971			1972					
						May	22	9.00
Oct.	21	11.67	Jan.	24	10.15	June	21	6.44
Nov.	23	12.22	Feb.	23	9.55	July	24	10.05
Dec.	27	10.48	Mar.	24	10.07	Aug.	22	12.09
			Apr.	21	9.56	Sept.	25	13.63

411842N0725536.1. (NHN 170) Yale University, Grove and College Sts., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 2 in, depth 14 ft. Lsd 41.09 ft above msl. MP top of casing, 23.39 ft above msl. Highest water level 19.31 ft above msl July 24, 1973; lowest 15.64 ft above msl Jan. 14, 1942. Records available 1939-72.

1971			1972					
						May	22	18.21
Oct.	21	17.59	Jan.	24	17.59	June	23	18.63
Nov.	23	17.41	Feb.	23	17.62	July	24	19.31
Dec.	27	17.51	Mar.	24	17.87	Aug.	22	18.85
			Apr.	21	18.25	Sept.	25	18.35

411838N072507.1. (NHN 175) Monarch Laundry, Derby Ave. and Ellsworth St., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 6 in, depth 54 ft. Lsd 32.84 ft above msl. MP top of shelf, 33.84 ft above msl. Highest water level 5.42 ft above msl May 28, 1953; lowest 2.27 ft above msl Dec. 17, 1941. Records available 1939-72.

1971			1972					
						May	22	4.27
Oct.	21	3.89	Jan.	24	4.15	June	23	4.11
Nov.	23	3.84	Feb.	23	4.10	July	24	5.29
Dec.	27	3.95	Mar.	24	4.10	Aug.	22	5.35
			Apr.	21	4.14	Sept.	25	5.32

411829N0725420.1. (NHN 179, formerly NHN 179a) Porto Construction Co. Grand Ave. and Haven St., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 3 in, depth 65 ft. Lsd 13.76 ft above msl. MP top of casing, 14.36 ft above msl. Highest water level 1.01 ft below msl July 24, 1972; lowest 7.57 ft below msl July 26, 1971. Records available 1957-72.

1971			1972					
						May	22	-3.38
Oct.	21	-2.67	Jan.	24	-3.64	June	23	-2.68
Nov.	23	-3.34	Feb.	23	-3.80	July	24	-1.01
Dec.	27	-3.41	Mar.	24	-3.61	Aug.	22	-1.90
			Apr.	21	-3.53	Sept.	25	-2.34

411805N0725458.1. (NHN 235) C. Cowles and Co. Chestnut and Water St., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 8 in, depth 39 ft, screened 28-38. Lsd 14.80 ft above msl. MP seat of manhole cover, 14.80 ft above msl. Fluctuation affected by pumping. Highest water level 3.80 ft above msl June 23, 1972; lowest -2.30 ft below msl Aug. 31, 1944. Records available 1940-72.

1971			1972					
						May	22	3.52
Oct.	21	3.37	Jan.	24	3.34	June	23	3.80
Nov.	23	3.21	Feb.	23	3.03	July	24	3.55
Dec.		--	Mar.	24	3.61	Aug.	22	3.16
			Apr.	21	3.26	Sept.	25	2.81

411826N0725536.1. (NHN 354) City of New Haven, Park Dept., on the Green, New Haven. Bored unused water-table observation well in glacial sand of Pleistocene age, diam 1½ in, depth 43 ft. MP top of pipe at lsd. Highest water level 15.26 June 27, 1972; lowest 17.64 Sept. 23, 1971. Records available 1971-72.

1971			1972					
						June	27	15.26
Aug.	24	17.64	Jan.	24	17.08	July	26	16.40
Sept.	23	17.64	Feb.	28	17.08	Sept.	1	16.16
Oct.	21	17.33	Apr.	3	16.70		30	16.96
Nov.	23	17.30		27	16.70			
Dec.	27	17.02	May	31	16.55			

411843N0725439.1. (NHN 355) City of New Haven. Playground at Wallace St., New Haven. Bored unused water-table observation well in glacial sand and gravel of Pleistocene age, diam 1½ in, depth 39 ft. MP top of steel coupling at lsd. Highest water level 27.45 July 26, 1972; lowest 29.40 Feb. 28, 1972. Records available 1971-72.

1971			1972					
						June	27	28.06
Aug.	24	27.43	Jan.	24	29.26	July	26	27.45
Sept.	23	27.97	Feb.	28	29.40	Sept.	1	27.76
Oct.	21	28.14	Apr.	3	29.10		29	28.30
Nov.	23	28.86		27	29.23	Oct.	30	28.51
Dec.	27	29.05	May	31	29.03	Nov.	29	28.32

411801N0725450.1. (NHN 356) City of New Haven, Fire Dept. Fire School at Forbes Ave., New Haven. Bored unused water-table well in glacial sand and gravel of Pleistocene age, diam 1½ in, depth 41 ft. MP top of steel casing pipe, 1.50 ft above lsd. Highest water level 6.96 Sept. 23, 1971; lowest 9.72 June 27, 1972. Records available 1971-72.

1971			1972					
Aug.	24	7.09	Jan.	24	7.30	June	27	9.72
Sept.	23	6.96	Feb.	28	7.20	July	26	7.17
Oct.	21	7.12	Apr.	3	7.24	Sept.	1	7.56
Nov.	23	7.30		27	7.30		29	7.80
Dec.	27	7.34	May	31	7.41	Oct.	30	7.80
						Nov.	29	7.60

411834N0725707.1. (NHN 358) City of New Haven, School Dept. Bernard St. School, New Haven. Bored unused water-table observation well in glacial sand and gravel of Pleistocene age, diam 1½ in, depth 44 ft. MP top of steel casing pipe at lsd. Highest water level 24.60 June 27, 1972; lowest 26.44 Feb. 28, 1972. Records available 1971-72.

1971			1972					
						May	31	24.76
Aug.	24	26.44	Jan.	24	26.30	June	27	24.60
Sept.	23	26.22	Feb.	28	26.44	July	26	24.89
Oct.	21	26.24	Apr.	3	25.95	Sept.	1	25.30
Nov.	23	26.39		27	25.90		30	25.78
Dec.	27	26.40						

413134N0730217.1. (WB 93) Mrs. Simeon W. Nichols, 131 Pearl Lake Rd., Waterbury. Dug unused water-table well in glacial gravel of Pleistocene age, diam 32 in, depth 33 ft, stone-lined. Lsd about 320 ft above msl. MP bottom edge of flagstone at northwest corner of well at lsd. Highest water level 23.99 Apr. 1, 1953; lowest 29.68 Sept. 27, 1962. Records available 1944-72.

1971			1972					
						May	22	26.54
Oct.	26	27.45	Jan.	24	26.77	June	26	25.07
Nov.	23	27.62	Feb.	22	26.75	July	24	27.09
Dec.	29	26.95	Mar.	24	24.97	Aug.	21	27.89
			Apr.	24	27.05	Sept.	22	28.02

413245N0725842.1. (WB 198) A. A. Baker, 185 Pierpont Rd., Waterbury. Dug domestic water-table well in glacial till of Pleistocene age, diam 30 in, depth 31 ft, stone-lined. Lsd about 540 ft above msl. MP flagstone at southeast corner of well, at lsd. Highest water level 5.45 Jan. 10, 1946; lowest 21.00 Nov. 26, 1949. Records available 1944-72.

1971			1972					
						May	24	11.45
Oct.	26	14.90	Jan.	24	12.83	June	26	9.47
Nov.	23	15.37	Feb.	22	12.87	July	24	11.60
Dec.	29	13.32	Mar.	24	8.84	Aug.	21	13.35
			Apr.	24	11.54	Sept.	22	15.39

NEW LONDON COUNTY

412013N0720306.1. (GT 19) John E. Ackley, Jr., Poquonock Plains, Groton. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 18 ft, stone-lined. Lsd about 22 ft above msl. MP bottom of fieldstone on west side of well at lsd. Highest water level 9.98 Apr. 6, 1970; lowest 17.97 Oct. 6, 1963. Records available 1958-72.

1971			Jan.	24	15.01	May	30	14.12
Oct.	4	17.70		31	15.40	June	4	14.50
	11	17.27	Feb.	8	15.50		12	14.96
	17	16.93		15	15.60		19	13.02
	25	17.07		21	14.72		26	11.10
Nov.	1	17.16		29	14.12	July	2	12.00
	8	17.07	Mar.	6	13.64		9	13.62
	14	17.15		12	12.91		20	14.20
	22	17.16		20	11.78		26	14.88
	29	16.82		27	12.24		31	15.16
Dec.	6	15.65	Apr.	2	[illegible]	Aug.	7	15.41
	13	15.57		10	14.02		14	15.66
	20	15.62		17	14.22		20	15.83
	27	15.74		24	13.75		28	16.13
			May	1	13.33	Sept.	4	16.15
1972				7	13.06		12	16.31
Jan.	2	15.65		15	13.41		20	16.53
	10	15.19		21	13.63		26	16.54
	18	14.78						

TOLLAND COUNTY

414548N0721145.1. (MS 19) C. T. DeBoer. State Route 189 and Cemetery Rd., Mansfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 22 ft, cement tile. Lsd about 260 ft above msl. MP top of tile at lsd. Highest water level 8.89 Mar. 24, 1972; lowest 15.72 Jan. 26, 1966. Records available 1958-72.

1971			1972			May	22	9.41
Oct.	21	12.98	Jan.	24	11.10	June	21	9.17
Nov.	23	13.23	Feb.	23	10.69	July	24	9.77
Dec.	28	11.70	Mar.	24	8.89	Aug.	22	10.96
			Apr.	21	9.75	Sept.	25	11.61

WINDHAM COUNTY

414911N0715620.1. (BK 41) Richard Brouillard, Darby and Barrett Hill Rds., Brooklyn. Drilled unused artesian well in crystalline bedrock, diam 6 in, depth 107 ft, cased to 9. Lsd about 330 ft above msl. MP top of casing, 1.15 ft above lsd. Highest water level 4.05 Mar. 24, 1972; lowest 17.60 Sept. 27, 1957. Records available 1957-72.

1971			1972			May	22	7.03
Oct.	21	13.98	Jan.	24	9.35	June	23	7.96
Nov.	23	12.10	Feb.	23	9.98	July	23	10.31
Dec.	28	9.65	Mar.	24	4.05	Aug.	22	12.04
			Apr.	21	7.74	Sept.	25	12.40

414054N0715520.1. (PL 1) Clifford Starkweather, Pleasant St., Plainfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 34 ft, brick-lined. Lsd about 180 ft above msl. MP top of stone curb at lsd. Affected by pumping of well 2,000 ft distant since about August 1962. Recorder removed June 25, 1968. Highest water level 27.24 Apr. 28, 1953; lowest 33.22 Feb. 11, 1966. Records available 1942-72.

1971			1972			May	22	28.54
Oct.	21	31.81	Jan.	24	30.74	June	21	27.63
Nov.	23	31.85	Feb.	23	30.37	July	24	28.81
Dec.	28	31.33	Mar.	24	28.11	Aug.	22	29.70
			Apr.	21	28.38	Sept.	25	30.40

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